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SOUTH WALES CAVING CLUB NEWSLETTER

NUMBER 39.

CONTENTS

MARCH 1962

1. ANNUAL GENERAL MEETING 1962.
 2. CAVING AND ARCHAEOLOGY IN SOUTH WALES Derrick Webley
 3. WEIGHBRIDGE CAVE EXTENSION Les Hawes
 4. SOUTH WALES CAVING CLUB EXPEDITION TO YUGOSLAVIA 1961 (Part 2.) Bill Harris
 5. CLUB NEWS
 6. LIST OF MEMBERS 1961 - 1962
 7. SUPPLEMENT. S.W.C.C. LIBRARY LIST.
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1. ANNUAL GENERAL MEETING 1962.

The Annual General Meeting of the South Wales Caving Club will be held in the Large Common Room of the Headquarters at Penwyllit at 7.00 p.m. on Easter Sunday, 22nd. April 1962. Notice of any proposed changes to the Constitution should be sent to the Hon. Secretary before Sunday, 25th. March 1962, together with the names of proposer and seconder.

C.L. Jones, (Hon. Sec.)
Llandough Castle,
Llandough,
Nr. Cowbridge,
Glamorganshire.

2. CAVING AND ARCHAEOLOGY IN SOUTH WALES

I always think of the Club as a shirt of chainmail, loosely woven, disorganised, on the floor like a pile of rusty old wire - too poor for Birch. Shake it out and it takes shape as a remarkably resilient loyal shield with holes large enough for the most ardent individualist. But what has this to do with archaeology? Only that it is into this tailoring that any dig must fit, because a dig must be a cooperative job and all links in that chain are necessary. As one who has gone it alone for some ten years as a 'barrow boy' on the high hills, I feel strongly that it is cold outside. Not that one wants regimentation - but support - because, unlike some other scientific disciplines, a dig cannot be packed in half way through and left unfinished - this is much worse than a dig not done at all - it must be finished - there can only be one large sample of any site - tested to destruction.

What are the possibilities? Archaeology may be divided into two broad fields of activity. (I) Fieldwork; by which is meant the recognition of archaeological sites in the field - in our case in caves and cave shelters. (II) The digging of selected sites.

The first facet is probably well looked after in the Record Book but one possible line of action will be discussed later. The other activity, of course, is excavation, and it is this part that has been neglected in the last few years. What is the purpose of excavation, indeed, what is excavation? It is the controlled destruction of the past. For that reason it cannot be taken lightly, because there is no resampling, it is a once and for all dismantling of an earlier world, as effective as banger. Indeed, in the last analysis, excavation is the last resort in a chain of thought that starts with the conjecture and the chance find, perhaps in a cave. A lot of people think that only in the case of some catastrophe, some disturbance or danger to a site should it be dug at all - as a last resort; there is a lot to be said for this view. However, when no evidence is forthcoming, it is obvious that digging must be done, not with the prime object of the finds, but for what they represent - the shadowy environment of the past, at best only a sagging bag of flesh of no shape with no skeleton. Is it any wonder that the archaeologist is accused of wishthink? Who can make a culture from beer bottles and detonators?

Are there then any projects of which evidence is fairly, so nebulous that a programme of digging should be started. I think there is, especially in the archaeology of South Wales caves.

The Paleolithic.

The Upper Paleolithic occupation, before 10,000 B.C. (very, very old), of the Gower needs no stress, since most cave work has been concentrated on it Macburny, for instance in 1955 dug in the Cathole and showed its Paleolithic significance, tying it with Paviland etc. However it is on field work that one should concentrate in this era. These people tended to live, facing large expanses of forest, in caves - i.e. the Dordogne, the Gower (the Bristol Channel was a piddle through a large expanse of forest) - it has been suggested that Upper Paleolithic Rock Shelters should turn up around Rhossili and

perhaps, of greater interest, in the Usk valley, especially in the wider parts. Fieldwork there may pay dividends since there are no records. Any flints will be welcome!

The Mesolithic.

There is excavated evidence that in the Mesolithic 10,000 - 3,000 B.C. (very old), caves facing the sea (Caldy for instance) were occupied. Other sites should turn up, and also the exciting (for me) possibility of occupation in caves more inland, since a Mesolithic industry has been recently found near Aberdare - are some of the head of the Neath Valley caves occupied?

The Neolithic.

Up to a few weeks ago I would have said that we were not likely to turn up Neolithic objects (3,000 - 1,800 B.C. - old) in our caves even though there has been evidence of occupation in Derbyshire and in Denbigh by way of burials - and now there is one of the skulls from Tooth Cave which is of Neolithic type (granted not necessarily of that date). Was the Tooth Cave used for Neolithic Burials just like the Parc Cwm Chambered Tomb close to hand? Wait and see, or better still, join us and dig!

The Early Bronze Age.

Like the Neolithic, the Early Bronze Age Beaker folk were pastoralists (2,000 - 1,500 B.C. - the day before the day before yesterday), and so there is a possibility that caves were used for burials. There has been no evidence of them being occupied at this time for domestic reasons, possibly because the weather was reasonably warmer than it is now and less rainfall was the norm.

The Full Bronze Age and Early Iron Age.

It is when one turns to the full Bronze Age and Early Iron Age when weather conditions deteriorated that one's heart begins to pant. Some evidence does exist, thin and gossamer, that at this time caves were extensively occupied. Excavations at the Cathole, The Bone Cave (Oh when will it be published!) and now the Tooth Cave all show occupation. What happened to drive people underground? Was it only the weather? In the Iron Age (the day before yesterday) when the hillforts were being built, why go under? A distribution map of hillforts in North Glamorganshire and South Brecon will show that there were none, while to the south and the north they abound - none on the northern Limestone - was it because of the presence of caves? Is this the answer which explains the Bone Cave, or was it the weather? 500 years (about) of occupation in the Bone Cave - why? Climate? - wet and cold - but surely not, climate is not as local as that, even the hillforts at this time would have been just as shocking Rheumatic Centres. Was it some local factor, because in the Gower, caves and hillforts go hand in hand? Or, as I begin to feel, is it just bloodymindedness? Independence, each to his own cave and keep out or you'll get a bronze axe in your ear and a morganated piecrust in your puss. Were they founder members of the S.W.C.C.?

Surely a worthwhile effort to find out. Think of it - The Early History of the S.W.C.C. Vol.I. The Bronze Age, with Blokes, Chaps and Plates (Figs. for the constipated readers!)

"Ugh and Arn Jones and Ed viewed the stranger with fair hair and the birchlike figure who tumbled out of the dark, his short long shorts travel stained, strapped to his back an odd assortment of metal objects, rejected axes, spare wheels. 'Grub up, Arne' said Ed. 'Ugh' said Arne and he and Ed started after the stranger. 'Leave him' said Ugh, 'too thin'. The stranger grinned and offered them a much gnawed ham bone of Girl. S.W.C.C. was born....."

It is this aspect, to return to more frivolous topics, that I feel should be studied - the Bronze Age occupation of caves. Not of course, that the other aspects should not be studied if they occur on the same site. It is just that I feel that the Bronze Age has been more neglected and the chance of some good results would make a dig worth while. This is where the Tooth Cave comes in, because as well as in the Bronze Age, there is the possibility of continuous occupation backwards into the Stone Age. How far back is the problem - how deep can one go? See the exciting sequel to this problem - OR HOW ABOUT COMING AND HELPING TO GET TO THE BOTTOM OF IT - - SHAKE OUT THE CHAINMAIL - - -

Derrick Webley.
(Not Weobley - see last issue)

3. WEIGHBRIDGE CAVE EXTENSION.

Work in the old Weighbridge Quarry Cave during the summer has resulted in a new 30 - 40 feet length of passage. Effort was concentrated in the bedding plane at the very bottom of the cave and a wet muddy way was cleared into a comfortable 'kneeling Height' passage which contains the small stream responsible for flooding the original Jenkins/Hawes Weighbridge Dig. The passage is clearly of large proportions but has been completely mud-filled until the present stream invaded and commence the washing-out operation. The stream enters from a flat out sump at the end of the passage and a dry weather visit is obviously worthwhile. Mud banks cover any signs of side passages although two places need clearing to enable proper investigation of vertical development. Indications of draught were not very promising. Those responsible for this poor addition to our stock of passages:- Les. Hawes, David Jenkins, Mike Duerden and Jeff. Jefferson.

Les Hawes.

4. YUGOSLAVIA 1961. (Part II)

It was on Thursday, the 31st of August, that we left Postojna with Zlatko Pepeonik (Pepi) who was to be our guide in Croatia, there were already 1,700 miles on the clock and the equivalent of at least two good holidays behind us. The roads from Postojna were quite good to start with but soon worsened into things which will one day become roads. Garages, too, were scarce and gave us a certain amount of anxiety as the bike didn't seem to thrive too well on their benzene stuff. Anyway we all met alright on the coast road above Opatia before going on into Rijeka together. Rijeka is just like any large industrial town, busy in the centre, but it does sport a harbour displaying signs forbidding photography every couple of yards. Useful for focussing on.

A drink and a bit of shopping and then off along the Adriatic coast. This time though on much better roads, which soon led us around the Bakarški Zaljev or Bakar Bay, once world famous for its Bakarška, the "Little Water of Bakar". The hills surrounding the Bay are still covered with terracing but very few grapes as the people there now make their living by Tuna fishing and we saw quite a few of the lookouts sitting on the tops of their long poles. Apparently, when they see Tuna come in close, they give a shout and their companions row out in a boat trailing a long net, one end fastened to the shore, and trap the fish in it.

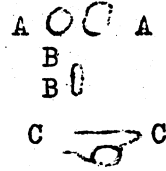
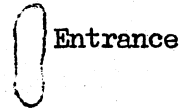
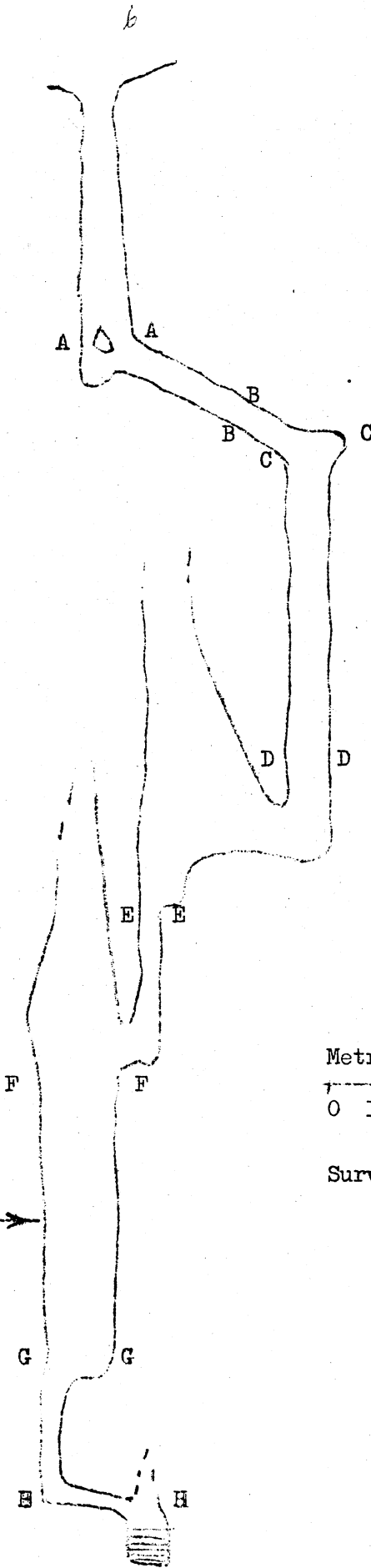
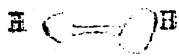
Ye gods it was hot! A blazing sky above, the shiny Adriatic on our right and dazzling white Karst on our left. No wonder it was white too, as all it consisted of was bare white weathered limestone for mile after mile with just the occasional tree to break the monotony and mile after mile we pushed on down the coast past umpteen little inlets with their cottage or two and perhaps a carefully walled field, until we dropped down for a swim at a place called Jablanac. The afternoon was spent in the water which even I considered warm and it was interesting swimming for those who walked a little way round the coast to where there were two landing-barges sunk deep down in a fiord sort of place.

Eventually we had to leave and push off to a camp site a bit further on. It was on the way up the hill from Jablanac that we thought the Bedford had grown a parachute but it was only the roof rack which had come adrift, quite a sight from behind, laden with scores of rucksacks and kitbags. Another interesting feature of the road was the large number of snow breakers built along it!

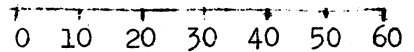
On and on we pushed to a place called Tribaci Sibine. It was dark by this time and the strong wind had turned into a gale. Quite pleasant though as even if it was force 8 it must have been at least 80 degrees fahrenheit (or 20 degrees centigrade) Pitching our tents was fun enough but further fun rolled up afterwards in the form of a Mini Minor containing three English Ladies. They didn't have quite the same trouble as us with their tents as, of course, there were quite a few willing Gentlemen of the S.W.C.C. to help. Then they amazed us by taking out of their Mini, three sleeping bags, air beds, primus, pots, pans, table, chairs I went on, you wouldn't believe me.

TUČIĆ PONOR
GRAČAC

Depth reached
first evening



Metres



Survey; G. L. Clissold

Friday started off with another enjoyable swim, then after packing up we followed the road to Obrovac before turning off on to a sort of mountain track thing which got worse and worse until it became impossible for us on the bike anyway, and we bit the dust. If you can imagine what it would be like riding along a couple of miles of billiard balls you can imagine what it was like on that road. The run was interesting though. From one point we had a good view of the ships high up on the Zrmanja River. Then after going through a bee farm high up on a hill we came across some women dressed in heavy dark dresses and long black stockings, who were spinning yarn as they walked along the road. How they stood the heat in their dark clothing I don't know because it was hotter now than the day before.

It wasn't until we got to Gracac that we got on to a good road surface again. First we went right into Gracac to check with the Chief of Police and then back across fields of wild blue crocuses to set up camp, literally on the edge of the pothole which had been partly tackled in the summer of 1959 by the S.W.C.C. with Ivan Gams. That evening entrance was made and the Pot tackled down as far as had been done on the previous visit. Next morning the assault proper began.

The Pot is probably one of the main drainage holes of the Tucid Ponor and fluorescein put into it the year previously by Croatian cavers showed that the water flowed under the mountains and came out in the Zrmanja River. It started with an entrance pitch of about 70 ft. at the bottom of which were the rather 'ooey' remains of some animal or other, and a narrow rift passage which bore drill marks left by local people, who at sometime in the past had tried to widen it in an attempt to increase the amount of water able to flow through it. They were most anxious that the Polje or Ponor which floods every year, should drain as quickly as possible so that they could cultivate the land left uncovered. This short rift passage led to the top of a second pitch of about 110 ft. followed by two short pitches which were ladderred together.

The next pitch was about 80 ft. and the roomiest of the lot and had a boulder floor, but a hole in the corner led to the last pitch of about 20 ft. which contained a pile of logs and branches etc. It seemed to be the end, but Bill Little pushed his way feet first into a small hole and had got some way in when he realized that the object a couple of inches in front of his face was a live snake. When Pepi heard the description he declared it poisonous and Bill came out. Bill Birch then, more interested in potholes than snakes, wriggled in followed by Pepi who was going to attempt to kill it. The snake however, by the time Pepi got there had had enough. Having had two cavers crawl past he had decided to crawl off himself, fortunately not before Pepi had caught a glimpse of him, and recognised him as one of a non-poisonous variety. A couple of minutes later Bill Birch shouted back that he had come to a deep pool of water and that it really was the end. A pity that the bottom had come so soon, but what with it finishing with a fright with a man-eating snake, no one could say that the end hadn't been exciting. The pot had been a pleasure to do, dry calcite covered walls with plenty of room. The only thing I found troubling was my sunburn.

When we got back into the open air again we were more than surprised to find that a multitude of local people had descended on the camp. That particular day was market day in Gracac, and everyone, young to very old, just had to come along and see the British cavers who had come such a long way to go down one of their potholes. I tried a rough count but gave up when I got as far as seventy. The evening ended in a sing-song and Arnold demonstrating how easy it was to fall off a log, spraining his ankle in the process.

The following morning we packed up and went to visit the lower Cerovacke-Pecine. The cave had once been a show cave and had the usual abundance of stal. Huge stalactites, columns and bosses all over the place. In the first part there was quite a lot of pottery lying around which Yugoslavian archeologists have found to date back to the Early Bronze Age. Further on in the cave, which got larger and larger the deeper we went into it, we climbed down the remains of the remains of the wooden ladder which the previous S.W.C.C. had used, into a really huge passage which had, near the end, some immense gours. The end of the cave was reached some 1060 metres from the entrance.

A quick snack by the vehicles and then we set off for Plitvicka Jezera. The road wasn't too bad, a bit rough in parts and very dusty. It led us around a couple of very large text-book poliers. When we arrived at Plitvicka we darkened the lake at the camp side quite noticeably by washing off the half inch layer of dust we had acquired on the journey.

On the morning of the next day we did a round of The Lower Lakes of the National Park. They were wonderful and really were 'like sparkling precious jewels' as described in the pamphlet given us. The lakes are formed by numerous tufa barriers and the water which is a lovely shade of blue gives rise to very picturesque waterfalls where it tumbles over them, some a couple of hundred feet high. We passed quite a few caves on the way down the gorge until we came to one which had a guide just inside the entrance with some carbide lamps we could share out. It was quite an unusual cave. In parts an examination of the cross section showed that the original natural passage was only a couple of inches high and the other couple of feet must have been excavated to give enough room to walk. The only cave I've seen like it is Cwm Dwr. A huge concrete bridge was about the cave's only formation.

In the afternoon off we went again, more or less starting on the way home. Gordon and I a little too quickly though, as we both picked up 10/- fines for speeding. With the intension of getting onto some good roads we went north to Karlovac and then to a camp site at Opatia. There were only three of the vehicles together on the camp site that evening and the following morning we parted company to make our own way home.

The routes were quite varied and some had time to do some caving in France, but we left Opatia and went north-west to Trieste and then across the vegetable garden of northern Italy, wasting a lot of time on ignition trouble, as far as a little village just before Cittadella where my magneto failed us completely beside a policeman in the middle of the village square.

We tried to ask where we could camp but as the only Italian words we knew were words like Pizzicato and Pianissimo we didn't make much progress. The night was spent with the parents of a little boy who turned up and said "I speak English" and then in the morning a friend of his fathers ran us and the bike to a garage in Cittadella and we stayed there till 9.00 p.m. until it was fixed. We managed to do about 30 miles that night until we found a rather unique camping site inside a castle perched on a dome-like hill with a magnificent view.

The next day we went through Brescia, Milan and Como, into Switzerland and then through Lugarno and camped at about 6,000 ft, just above Airolo in the St.Gotthard Pass.

The weather in the morning was just great, but we had some thick mist and cold drizzle as we went over some of the higher passes. On the other side it brightened up again but we couldn't afford much time for sight-seeing so we pushed on through Berne and into France where we were lucky enough to do the very impressive Loire Valley before dark.

Fortunately in a way the weather on the way was very misty so we made fairly good time on our rush to Le Touquet. In Reims we stopped to ask the way and Maggie told me that the bike was on fire. We got off and my battery blew up. The crossing went well and as we were unable to travel at night we camped in a field just after Battle.

On the last day, Sunday, we got home in dreadful weather at about 8.00 p.m. I will not try and say how wonderful the holiday had been or I'll be accused of making the understatement of the year by each member of the party. We're all looking forward to the next time.

Bill Harris.

5. CLUB NEWS.

NEW MEMBER.

We welcome the following new member:-

Dr. J. Phillip Mathews, Clayton Hospital, Northgate, Wakefield, Yorks.

CHANGE OF ADDRESS

Neil Jones, 44 Victoria Road, Bridgenorth, Salop.

O.F.D. LEADERS LIST.

The following members have been elected to the O.F.D. Leaders List:-
M. Galpin, A. Ashwell, Norman Lloyd, C. Owen George, D. Cons.

August Weekend 1961 - E/L 38.

"Some of our readers seem to jump to terrible conclusions and are agog to know just what it was that Brian Fenn and Les sent flashing across the Swansea Valley. We are sorry to disappoint them but no bad language was used! It was merely a request to our stalwart Cottage Warden to hurry up with the banging operations, with an implication that we on the other side of the valley were being unnecessarily slow" - A. Williams.

6. LIST OF MEMBERS.

President.

Dr. F.J. North, O.B.E., D.Sc., F.G.S., F.M.A.,
19 Chargot Road, Cardiff.

Vice-Presidents.

Brigadier E.A. Glennie, C.I.E., D.S.O.,
Seaton House, Shrublands Road, Berkhamstead, Herts.
A.H. Hill Esq., 32 Marine Road, Oreston, Plymouth.
Dr. D.A. Bassett, National Museum of Wales.
D.W. Jenkins Esq., Dinmore, Dyffryn Rd, Llandrindod Wells, Rads.

Honorary Members.

T. Ashwell Morgan, Westbrook, St. James' Gdns., Swansea.
Mr. & Mrs. J. Barrows, Y Grithig, Penycae, Swansea Valley.
Dr. A.J.R. Hudson, Mackworth Villa, St. Thomas Swansea.
Dr. Dorothy Nichols, 75 Chatsworth Avenue Cosham, Hants.
G. Platten, Rotherfield, Fernhill Lane, New Milton, Hants.
C. Powell, Rhongyr Uchaf Farm, Penycae, Swansea Valley.
Mrs. G. Price, The Gwyn Arms, Penycae, Swansea Valley.

Members.

Alexander, J. Flat 2., 70 Talbot Road, Manchester 16.
Andrews, T. 135 Danson Road, Bexley, Kent.
Ashwell, Mr. & Mrs. A. Stanyeld Road, Trevor Hill, Church Stretton, Salop.
Aslett, Dr. E. T.B. Clinic, Courtland Terrace, Merthyr Tydfil, Glam.

Bacon, Mr. & Mrs. C. 49 Kimberley Road, Roath Cardiff.
Baglin, C.J. 8 Archer Road, Penarth, Glam.
Ball, T.K. Bronderi, Peniel Green, Llansamlet, Swansea.

Basham, R.H.C. P.O.Box 3, Derna, Cyrenaica, Libya, N. Africa.
Bement, J.M. 44 Ninian Road, Roath Park, Cardiff.
Benson-Evans, Miss.K. Trefriw, 10 $\frac{1}{2}$ Merthyr Road, Bridgend, Glam.
Bevan, J. 399 Hagley Road, Edgbaston, Birmingham 17.
Birchenough, W. Noyaddwilym, Llechryd, Cards.
Boughton, Miss. M.M. 21 Coniston Avenue, Sheldon, Birmingham 26.
Bowden-Lyle, Miss. S. 51, Coronation Road, Bristol 3.
Burke, T.W. 16 Courtenay Road, Splott, Cardiff.

Clarke, W.E. Mr. & Mrs. 6 Glynderwen Crescent, Derwen Fawr, Sketty, Swansea.
Clissold G.W. Mr. & Mrs. 'Silhouette', Staunton, Coleford, Glos.
Cons, Mr. & Mrs, D. 'Fernworthy' 12 The Chenies, Petts Wood, Kent.
Crook, Dr.B.A. The Laurels, Timsbury, Nr. Bath.
Crowley, Dr. A. 120 North Road, Ferndale, Rhondda.

Davies, A. Pondfield Gate, Pontardawe Road, Cwmgorse, Glam.
Davies, Miss.B.M. 3 Lambert Terrace, Aberdare, Glam.
Davies, J.M. 47 Heol-y-Bont, Rhwbina, Nr. Cardiff.
Davies, M. 18 Tymynydd, Pontnewydd, Cwmbran, Mon.
Davies, T. Brynithon, 2 Gellidawel Road, Glynneath, Glam.
Davies, T.H. 38 Crompton Road, Handsworth, Birmingham 21.
Dembó, B.M. 52 Laburnam Road, Maidenhead, Berkshire.
Devenish, C.L. Washingpool, Chilcote, East Horrington, Wells, Soms.
Dilly, N. 3 Balaclava Road, Bermondsey, London S.E.1.
Dingle, L.S. 2 Penylan Terrace, Roath, Cardiff.
Dolphin, Mr. & Mrs.P. The Uganda Co.(Africa) Ltd., P.O.Box 1.Kampala,Uganda.
Dryden, J. 40 Sisson Road, Gloucester.
Duerden M. 44 Moreton Street, London S.W.1.

Edwards, J.H. 10 Pantygydr Road, Uplands, Swansea.
Evans, G.C. 25 Wren Road, Sidcup, Kent.

Fenn, Mr. & Mrs.B.W. 113 Sherwood Road, Hall Green, Birmingham 28.
Foreman, P. 38 Westacres Crescent, Newcastle on Tyne 5.
Freeman, W.C. 27 South Road, Sully, Glam.

Galpin, Mr. & Mrs. L.T. 6 Trinity Rise, Tillington, Stafford.
George, C.Owen- The Mount, Peterston-Super-Ely, Cardiff.
Gilbert, M. 34 Porth-y-Castell, Barry, Glamorganshire.
Gilinsky, H. 35 Beaconsfield Road, Balsall Heath, Birmingham 12.
de Graaf, Mr. & Mrs. B. Neuadd, Llangorse, Breconshire.
Gregory, R. Sophia, Westminster Cresc., Cyncoed, Cardiff.
Grohman, T.B. 287 Robin Hood Lane, Hall Green, Birmingham 28
Guest, P. 34 Streetly Cresc. Park View Rd., Four Oaks, Sutton Coldfield, Warcs.

Hardwidge, Miss.P. 15,Heol Wernlas, Whitchurch, Cardiff.
Harries, Miss. D.W. 5 Chapel Street, Ystradgynlais, Swansea.
Harris,K.P. 31 Manor Road, Manselton, Swansea.
Harris, Mr. & Mrs. W.G. Glen View, 17 Ford Road, Velindre, Port Talbot, Glam.
Hartwel, Mr. & Mrs. J.M. 3 Hillview Rise, Redhill, Surrey.
Harvey, J. 4 de Breos Street, Brynmill, Swansea.

Harvey, Mr. & Mrs. P.I.W. Llandough Castle, Llandough, Nr. Cowbridge, Glam.
Harwood, E. 33 Worcester Road, Droitwich, Worcs.
Hawes, Mr. & Mrs. L.A. Cribarth, Court Moor Avenue, Fleet, Hants.
Hazelton, Miss. A.M.A. Seaton House, Shrublands Road, Berkhamstead, Herts.
Hirons, Mr. & Mrs. J. 60 Neville Road, Erdington, Birmingham 23.
Holroyde, A.B.W. Castle Bromwich Hall, Castle Bromwich, Nr. Birmingham.
Homes, I. Upleadon, Trumpet, Nr. Ledbury, Herefordshire.
Howells, A. Iscoed, Lando Road, Pembrey, Carm. s.
Hunt, Mr. & Mrs. 19 Daniel Street, Cadoxton, Barry, Glam.
Hylton, R.T. Green Close House, Clapham, Laneaster.

Inson, E.G. 19 White Barn Road, Llanishen, Cardiff.

Jefferson, G. 6 Rhiwbina Hill, Rhiwbina, Cardiff.
Jefferson, G.T. 6 Rhiwbina Hill, Rhiwbina, Cardiff.
Jenkins, Mr. & Mrs. D.W. Dinmore, Dyffryn Rd., Llandrindod Wells, Rads.
Jones, A. Victoria House, High Street, Glynneath, Glam.
Jones, D.T. 159 Kings Road, Canton, Cardiff.
Jones, J.C. Llandough Castle, Llandough, Nr. Cowbridge, Glam.
Jones, N. 44 Victoria Road, Bridgenorth, Salop.

Kemp, D. c/o Lecture Service, Kodak Ltd., Kingsway, London W.C.2
Kirk, A. 28 Bradley Green Road, Hyde, Cheshire.

Leyman, J.C. 36 Mary Street, Neath, Glam.
Little, W.H. 29 Wrekin Road, Sutton Coldfield, Warcs.
Lloyd, Dr. O.C. Withey House, Withey Close West, Bristol 9.
Lloyd, D.H. 62 Broniestyn Terrace, Trecynon, Aberdare, Glam.
Lloyd, N.B. Barlands Cottage, Bishopston, Swansea.

Mallory, Mrs. L.A. 1030 83rd Street, Brooklyn 28, New York, U.S.A.
Mathews, Dr. J.P. Clayton Hospital, Northgate, Wakefield, Yorks.
Mills, W.B. Druid House, Middleton Street, Llandrindod Wells, Rads.
Morgan, J.R. 7 De Breos Street, Brynmill, Swansea.
Morris, A.R. 310 Oystermouth Rd., Swansea.
Myers, J.O. 11, Thorn Lane, Haworth Road, Bradford 9.

Osborne, J.V. 34 Haygate Road, Wellington, Shropshire.

Paddock N.L. 19 Sutherland Road, Goldthorn Park, Wolverhampton.
Page, G.V. 148 Sixth Cross Road, Twickenham, Middlesex.
Parkes, Mr. & Mrs. J.G. Woodcote, Wood Lane, Park Gate, Wirral, Lancs.
Phillips, S.C.L. Heightington House, Bewdley, Worcs.
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*The problem of litter in caves is still with us, so please be sure to take all
*rubbish and spent carbide out with you.



SOUTH WALES CAVING CLUB

LIBRARY LIST

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The Club receives material from the list of Clubs given below. This is followed by a more detailed list in which items of general interest are given and is complete up to 31st. January 1962. Material received since January 31st. will be given in newsletters as it becomes available.

LIST OF CLUBS AND SOCIETIES

The Axbridge Caving Group.
The British Caver.
The Bristol Exploration Club.
The British Nylon Spinners 'Signpost'.
The Cave and Crag Club.
The Cave Diving Group.
The Cave Research Group of Great Britain.
The Chelsea Speleological Society.
The Craven Pothole Club.
The East Devon Caving Group.
The Gloucester Speleological Society.
The Hereford Caving Club.
The Mendip Caving Group.
The Mountain Club.
The Nature Conservancy.
The National Speleological Society of America.
The Shepton Mallet Caving Club.
The University of Bristol Speleological Society.
The Westminster Speleological Group.
The Wessex Caving Club.
The White Rose Pothole Club.
The Yorkshire Ramblers Club.

LIST OF BOOKS AND 'OCCASIONAL' PUBLICATIONS.

- *'Explosives' published by I.C.I. Nobel Division.
- 'Britain B.C.' S.E. Winbolt.
- 'Digging Up The Past' Sir Leonard Woolley.
- 'Geology in the service of Man' Feansides and Bulman.
- 'British Regional Reology. South Wales.' Pringle and George 1948.

- 'Prehistoric Gower' Rutter 1948.
 *'Gower Caves' Allen and Rutter 1946.
 'Caving in North Wales' F.J. Davies and B.M. Ellis 1960.
 *'The Mineral Wealth of Wales and its Exploitation.' T.M. Thomas 1960.
 *'Zoology' J. Brough, C. Matheson and G.T. Jefferson. 1960.
 'Service d'Information Geologique du B.R.G.G.M.' Codification of Bibliographical Card-index.

Cuban Publications.

- INRA Ano 1 Num 5., Ano 2 Num.3.
 Facatativa Santuario de la Rana. Jimenez 1959.
 Geografia de Cuba. Jimenez 1959.
 Geografia de Cuba para los Ninos. Jimenez 1960.
 *South Wales Caving Club. 1946 - 1956.
 *'A Glossary of French Speleological Terms. T.E. Morland.
 *'Calcite Bubbles' G.T. Warwick.
 *'Ancient Castleton Caves.' J. Royse.
 Kent's Cavern.
 White Scar Cave.
 *'The Falls and Caves of Ingleton.' J. Hamer.
 *'About Castleton'. E.S. Evans.
 *Caves and Caving. Vol.1. Nos. 3 and 5.
 Water at a depth of - 5ft. R.E. Davies.

THE AXBRIDGE CAVING GROUP AND ARCHAEOLOGICAL SOCIETY

Journal Vol.1. No.3.

Nine Days Underground. Flint Hunting in Somerset. Cave Surveying.
 Axbridge Parish Records.

Journal Vol.1. No.4.

Biers in Somerset Churches. Carbon Test 14. Axbridge Hill Site.
 Excavations at Banwell Bone Cave. Axbridge Parish Records.

Journal Vol.2. No.1.

Caving in South Wales. Modern Dowsing. Triple - H and Associate Work
 on the Axbridge Hill Site. Banwell Bone Cave, Ice-Age Hunting Bases
 in the Steirmark Area. Plastics and Archeology.

Journal Vol.2. No.2.

Submarine Archeology. Banwell Bone Cave. Mendip Barrows. Chelmscombe
 Cave Cheddar. Ancient Banwell. Axbridge Hill Report. Cave Diseases.

Journal Vol.2. No.3.

The Origin and Development of Chelmscombe Cave. Mendip Flints. Banwell
 Bone Cave. Cave Rope.

Newsletters.

1960. MARCH. Star Shipham Roman Villa. APRIL. MAY. Excavations at Hay
 Wood Cave. Sump Rescue Apparatus. JUNE. Star Roman Villa. Burrington
 Caves. SEPTEMBER. OCTOBER. In search of Spiders. Brownies Hole
 Stoke Lane. DECEMBER. JULY. AUGUST.
1961. FEBRUARY. MARCH. JANUARY. APRIL. MAY. JUNE. JULY. AUGUST.
 SEPTEMBER. Greenbridge Cave, Carms. OCTOBER. Guide to Old Place and
 River Names. Holwell Cave, Quantocks. NOVEMBER. Guide to some Old
 Place and River Names. DECEMBER.
1962. JANUARY.

THE BRITISH CAVER.

*Volumes 29,30, 31, 33, 34.

These books are full of articles of caving interest.

THE BRISTOL EXPLORATION CLUB.

Caving Report No.1. Surveying in Radcliffe Caves, Bristol. 1953-1954.

The Belfry Bulletin

1955. No.89. Cave Surveying, Gower. No. 94. Cave Surveying. No.96.
No.97. No.99. Karabiners. No.100. Cave Surveying.
1956. No.101. Caving Derbyshire. No.102. No.105. No.107.
1957. No.111. Caves of Malaya. Desilverisation of Mendip Lead. No.112.
Desilverisation. No.113. Mendip Mining. No.114. St. Cuthberts Report.
Mendip Mining. No.115. Swildon's Four. Stereoscopic Photography.
No.116. St. Cuthbert's. Stereoscopic Photography. No.117. Mendip
Mining. Caving in S.W. Wales. No.118. Caving in Malaya. St. Cuthbert's.
No.119. Water Temperatures.
1958. No.120. Water Temperatures. Tankards Hole. No.121. Water Temperatures.
No.122. No.123. No.124. No.125. St. Cuthbert's. No.126 St.Cuthbert's.
No.127. Hunter's Hole. No.128. St. Cuthbert's No.130. No.131.
Swildon's Six.
1959. No.132. Electromagnetic Surveying. No.133. Swildon's. St.Cuthbert's.
No.134. Tankard Hole. No.136.
1960. No.143. No.144. St.Cuthbert's. No.145. St.Cuthbert's No.146.
St. Cuthbert's No.147. No.148. Rob Roy's Cave. No.149. Barometers.
No.151. No.152. St.Cuthbert's. No.153. Caving in N.Wales. No.154.
Some Scottish Caves. No.150. No.155.
1961. No.156. La Cueva de Nerja. Pen Park Hole. No.157. Gouffre de Corbeaux.
Cave Photography. No.161. No.162. No.163. No.164. No.165. No.166.
Balch's Hole. Bushman Paintings.

THE BRITISH NYLON SPINNERS SPELEOLOGICAL SUB-SECTION.

Cuttings reporting the activities of the Group have been cut out of the paper 'Signpost' and are kept in a file. They date from October 10th. 1957. to the current issue.

B.N.S. Magazine Spring 1960. Article on Agen Allwedd.

Journal of Speleology Sub-Section.

Pwll Blaen Onneu. Cgof Darren Cilau. Ogof Pen Eryr. Ogof Rhyd Sych.
Agen Allwedd. Caving trip to the Dordogne. List of East Wales Caves.

THE CAVE AND CRAG CLUB.

1952. Vol.1. No.6.
1954. Vol.3. No.1. No.3. No.9. No.10.
1956. Vol.5. No.1. No.2.
1957. Vol.6. No.4. Nylon Climbing Rope. No.5.
1959. MARCH/APRIL. Grjotagja Cave Iceland. Longwood Swallet.
MAY/JUNE. Climbing Rope Standards. Shropshire Lead Mines,
JULY/AUGUST. Terylene Rope. NOVEMBER.
1960. MARCH/APRIL. MAY/JUNE. NOVEMBER/DECEMBER. SEPTEMBER/OCTOBER.
1961. MARCH/APRIL/MAY. Nettle Pot. JUNE/JULY. OCTOBER/NOVEMBER. JAN./FEB.

THE CAVE DIVING GROUP.

Cave diving reports are kept in a file which is available to any interested member.

- Circulars Nos. 1-7,9,10,12-20.
Reports. 1/46, 2/46, 3/46, 2/47, 3/47, 2/49.

THE CAVE RESEARCH GROUP OF GREAT BRITAIN.

- * Transactions. Bound in volumes 1-5.

- Vol.1. No.1.
Bretz-Davis, Theory of Cavern Formation. Swinnerton's Contribution to the Theory of Cavern Formation. Some Points Relating to Ogof Ffynnon Ddu. The Formation of Yorkshire Caves and Potholes.
Vol.1. No.3.
Further Notes on Ogof Ffynnon Ddu.
Vol.1. No.4.
Archeological Excavations in Ogof yr Esgyrn. The Mossdale Problem. A Fissure Cave in Grits. Cave Dwellers and Dens of Late Pleistocene Animals.
Vol.2. No.1.
A Comparison Between the Karst of the Mediterranean Region and N.W. Europe. The Technique of Cave Diving. Banding Experiments with Cave Dwelling Bats in Devonshire.
Vol.2. No.2.
Vertical Development in Caves. Some Notes on Ropes and Rope Ladders. The Non-existence of the Great Peak Fault. Significant Air Streams in Ogof Ffynnon Ddu. Rimstone Pools and Associated Phenomena.
Vol.3. No.1.
Underground Water and some Derbyshire Lead Mine Soughs. Caving in Norway. Joints, Shale Bands and Cave Formation. Artesian Flow and Cave Formation.
Vol.3. No.2.
The Origin and Development of Cave Systems in Limestone. Cave Photography. The History and Folklore of British Caves. Treak Cliff Cavern, Castleton, Derbyshire.
Vol.4. No.1.
Vertical Development in some Irish Caves. Cavern Formation in the Northern Pennines. The Karstlands of Yugoslavia. Explosives as an Aid to Cave Exploration.
Vol.5. No.2.
The Caves of the Serra de Aire Massif, Central Portugal. Cave Sickness. Cavernicolous Collembola Collections. Moonmilk. The Sutherland Caves.

- Vol.1. No.2. Relationship of Carbon Dioxide with Water in Caves. Gouffres et
Cavernes du Haute-Comminges.
- Vol. 4. No.2. Speedwell Cavern. Caves and Glaciation. Central and Southern
Pennines and Adjacent Areas.
- Vol. 5. No.1. Notes on Caves of Jamaica. Jugholes and the Nature of the Matlock
Mines. Notes on Larphullet and Larshullet Caves. Some Thoughts on
Cave Flora. Problems of Solution in Caves under Vadose Conditions.

* Numbered Publications.

- No.1. Cave Fauna. Parts 1. and 2.
- No.2. Derbyshire Leadmining Glossary.
- No.7. Survey of Tunnel Cave.
- No.8. A Preliminary Investigation into the Bacterial and Botanical Flora
of Caves in South Wales.
- No.9. The Survey of Pant Mawr Pot.
- No.10. Ogof Agen Allwedd.

* Occasional Publications.

- No.1. International Expedition to Gouffre Berger.
- No.2. The Geomorphology and Speleogenesis of the Dachstein Caves.
- No.3. Cave Rescue.
- No.4. The Instruction and Training of Novices to Caving.
- No.5. The Deepest Caves in the World and Caves which have held the World Record.
- No.6. The Lapiaz Superieure du Pla Segoune.

* Biological Records.

Parts 1 to 6.

* Newsletters.

Bound in volumes - Nos.1-20, 21-40, 41-61, 62-80.

- No.1. -
- No.2. Symbols for use on cavern surveys. Notes on collecting flora and fauna.
- No.3. List of commercial caves in Germany and Austria.
- No.4. The occurrence of Acari and Myriapoda in caves. Strength of Sisal ropes.
- No.5. Cave Formation.
- No.6. Temperatures and Humidities.
- No.7. Notes on Cave Surveys and Plans. Geophysical Exploration.
- No.8. Notes on Cave Surveys and Plans.
- No.9. -
- No.10. Calcite and Aragonite.
- No.11. Hydrology.
- No.12. Cave Terminology. (This appears through the earlier N/L's.)
- No.13. -
- No.14. Earthworms from English Caves.
- No.15. Water Tracing at Pwll Byfre and Sink-y-Giedd. Excavations at Whalley,
East Derbyshire.
- No.16. Swinnerton's Contribution to the Theory of Cavern Formation. Some Points
Concerning O.F.D. Some Notes on the Accuracy of Cave Surveying by Line
and Compass Method.

- No.17. Further Notes on Cave Surveying.
- No.18. Electro-Flash Outfit.
- No.19. A.G.M.
- No.20. J.H.S. Cave in Chapel-le-Dale. Biospeleology. Calcite Bubbles. ^{Release of} gas from clay
- No.21. Biospeleology. Swallow Holes in Chalk Cave earths in Derbyshire & Staffs.
- No.22. Speleological Terminology. Entombed Air beneath Calcite.
- No.23. New Exploration In Co. Clare, Ireland, Calcite Bubbles. Bat Ringing in Devonshire.
- No.24. Fluorescein Tests. Access to Manifold and Dovedale Caves. Owllet Hole Cave. The Nature and Origin of Limestone Porosity.
- No.25. Survey. Recommendations for O.S. Maps.
- No.26. Report of A.G.M.
- No.27. Water Testing.
- No.28. Biospeleology. Hydrology.
- No.29. Altimetric Barometrique Souterraine. Caving in Malta. pH Tests in Bar Pot. Instructions for Bat Banding.
- No.30. Bat Parasites. Rock Milk. Caves in India and Pakistan. Sutherland Caves. Grotte de Medous.
- No.31. A.G.M. Report.
- No.32. Hydrology. Calcite Bubbles and Caveweed. Root Stalactites. Karst and Tectonics in Yorkshire. Caves of India and Pakistan. Biospeleology.
- No.33. Minerology. Temperature Curves of Nicklow Cave. Caves of India and Pakistan.
- No.34. Caving in Malta. Karst of the Northern Pennines. Caves of India and Pakistan. Biospeleology.
- No.35. Caves of India and Pakistan. Caves of Northern Norway. Long Kin Cave. Recommendations derived from the Incident in Ogof Ffynnon Ddu.
- No.36. A.G.M. Report. Cave in Bolivia.
- No.37. Caves of India and Pakistan. Evidence in Caverns of Deep Freezing during Ice Age. Ingleborough Yet Again. Biospeleology.
- No.38. Elliptical Stalactites in Bar Pot. Faults and Escarpments in Limestone Regions. Access to the Moorland.
- No.39. Water Tracing - Cave Observations. Caves and the Ice Age. Elliptical Stalactites. Northern Pennine Karst.
- No.40. Effects of Submerged areas on Water Tracing Tests. Water Tracing in Hull Pot. Notes on the Discharge Measurements of Small Streams.
- No.41. Discovery of a Coal Seam in Notts Pot. Hydrology, (a) Ogof Ffynnon Ddu, (b) Elphin Area, (c) Conversion Scales for Stream Flow. Limestone Solution in Papaloppan Basin. Fossil Cave System.
- No.42. A.G.M. Report.
- No.43./44. Diving into a 'Pool' Cave Derbyshire. Shale Bands and Passage Development. Swindon Pot. Passage Direction and Joints in Gaping Gill. Exploration And Survey of Top Sink, Upper Eass Gill Caverns. Water Tracing, Ingleborough Area, Sell Gill Hole.
- No.45./46. 'Palettes' in New St. Michael's Cave, Gibraltar. Hydrological Tests in Poole's Cavern. Archaeological Adn Speleological Fieldwork in Shepton Mallet Area. Parietal Fauna in Hobthirst Cave. Comparing Calcites under Ultra-Violet Light.
- No.47. A.G.M. Report.
- No.48. Elliptical Stalagmites. Archaeological Remains in a Cave near Shepton Mallet. Poole's Cavern. Climbs and Descents in Ogof Ffynnon Ddu. Caving in Germany.

- No.49./50. Water Testing in Marble Step Pot. Water Testing in Penyghent Pot.
Determination of Dip and Strike. Caving in Germany.
- No.51. A.G.M. Report.
- No.52. 'Spiders' webs and Helictites. New caverns for old.
Notes on collecting and posting Cave Fauna. Chem's Coombe Cave.
- No.53./54. A.G.M. Report. The Slipgrip, a self-lifelining Device.
- No.55. Report on Skye Speleological Expedition 1955.
- No.56./57. Bat News. The Origin of Mud Stalagmites in Llethrid Swallet. Park Lane
Stone Mine, Wilts. Unsafe Karabiners.
- No.58./59. More about Mud Formations. Speleology in Malaya. Caves in India
and Pakistan.
- No.60./61. Mud Formations in Durham. Crocan Cave, Skye. Speleology in Malaya.
Fairy Fishes.
- No.62. A.G.M. Report.
- No.63./64. Notes on recognition of Re-resolution in Caverns. Mud Stalagmites Again.
The Temperature Factors in the Formation of Calcite and Aragonite. Casts
of Caddis-fly Wings in Calcite from Cook's Wood Hole. Phreatic and
Artesian Water.
- No.65. Report on the Find of a Rare Fly in Pant Mawr. Elliptical Stalagmites.
A Nameless Stream Suggested New Term. Pollasillagh.
- No.66./67. Silt (earth) pillars in Derbyshire. Speleological Reconnaissance in
Co. Sligo and Leitrim, Eire.
- No.68./69. Stalactites below Sea-Level. Salt Stalactites and Stalagmites at
Welbeck Colliery. The Two Plumleys of Burrington Combe. Long Kin
East Pot. Earth Pillars at Little London Swallet. Hydrology.
Formations in Sea Caves.
- No.70./71. A.G.M. Report.
- Nos. 72/73/74/75/76/77. Calcareous Flowstones and Bodies with Flowstone Affinities on the N. Cornish
Coast. Condensation Formations in Clay. Plumley's Hole. Cavern Formation
Near a Lava Dyke. Biology. Poulomega.
- No.78. A.G.M. Report.
- No.79./80. Tracing Underground Water. Notes on Cave Dpitera. Natural Caverns
in Chalk. Vermiculations in Poole's Cavern. A Fall of Rock in
Eastwater Cavern. A Fall of Rock in Swildon's Hole. Caves developed
by ground water in a Trachytic Lava Scarp near Ol Kalou, Kenya.
Caves of India and Pakistan.
- No.81. A.G.M. Report. The Seasonal Growth of Stalactites.
- No.82. A.G.M. Report.

THE CHELSEA SPELEOLOGICAL SOCIETY (The London Speleological Group)

Records.

Vol.2. 1958. The Llangattock Caves. Royston Cave. New Tunnels at Esher.
Puttonham Caves. Beddington Caves. Bexley Deneholes. Pebblecombe Hole.

Newsletters.

1958. OCTOBER. Swildons 5. Agen Allwedd. NOVEMBER. Agen allwedd.
DECEMBER. Caving Afloat. Tackle. Scandinavian Caves.

1959. JANUARY. Cleeve Hill Rift Caves. Caving Afloat. FEBRUARY. Agen
Allwedd. MARCH. Scandinavian Caves. APRIL. Scandinavian Caves.
MAY. Caving Lights. JULY. Scandinavian Caves. Guildford Castle
Caves. JUNE. Scandinavian Caves. Around London. AUGUST. Around
London. SEPTEMBER. Scandinavian Caves. Deneholes.

1959. Cont. OCTOBER. Around London. Locked Caves.

- Volume 2. No.2. Around London. No.3. Pant Mawr. Ogof Ffynnon Ddu. Around London. No.4. Agen Allwedd. Around London. No.5. Llangattock No.6. Around London. Llangattock. Scandinavian Caves. No.8. Around London. Agen Allwedd. No.10. Agen Allwedd. No.11. No.12. Around London. Agen Allwedd. Porth-yr-Ogof.
- Volume 3. No.1. Around London. No.2. Around London. No.3. Around London. No.4. No.5. Agen Allwedd. No.6. Around Paris. No.7. Agen Allwedd. Nettle Pot. No.8. No.9. Agen Allwedd. No.12. Agen Allwedd. No.11.
- Volume 4. No.1. Price's Folly. No.2. Bigger than G.G. (Swallow Holes in S. Wales.) No.3. Smaller than G.G. (Swallow Holes in S. Wales.) Agen Allwedd.

CRAVEN POTHOLE CLUB.

* Journals.

- Volume 2. No.5. Nylon Mountaineering Ropes. Mackwell's Cavern. North Pot. La Guerre Des Mammouths. Thoughts on Cave Surveying. Explorations in New Zealand. The Ulster Scene. Borham Cave. Mongo Gill North. Goyden Pot. Diccan Pot and Alum Pot. Gaping Gill. Bracken Cave.
- Volume 2. No.6. Gaping Gill Survey Revision. Caving in New Zealand. Castellana. South Wales Meet. A Runic Inscription from Victoria Cave. Mackwell's Cavern. Great Close Scar. Irish Meet.
- Volume 3. No.1. Eagle Rock. Carlsbad Caverns. R.O. Developments. Alum Pot.

THE EAST DEVON CAVING GROUP.

Bulletins 4 and 7.

THE GLOUCESTER SPELEOLOGICAL SOCIETY.

- Vol.1. No.1. Caving Equipment. Seymour Swallet. The Standing. Skeleton Day. Agen Allwedd.
- Vol.1. No.2. Archaeological Work at Symond's Yat. Agen Allwedd. The Free Miners. Ogof Ffynnon Ddu. Fauna, Report. Cave Photography.
- Vol.1. No.3. Seymour Swallet. Cave Survey. South Wales Again. Wet Sink 2.
- Vol.1. No.4. Stalactites, Stalagmites and Flowstone. Coaley Cave. Scotts Quarry Cave.

THE HEREFORD CAVING CLUB.

* Newsletters.

- No.2. Porth-yr-Ogof. Agen Allwedd. Eglwys Faen. Bridge Cave. Pwll-y-Rhyd. The Joyford Sinks.
- No.3. Iron Mines and Caves. Cwm Porth-yr-Woods Cave. Llygad Lluchwr. Will's Hole. The Joyford Wet Sink. Bwa Maen.
- No.4. Pwll Swnd. Ogof Ffynnon Ddu. Swallet Survey. The Hole by the Wall. Ogof Clogwyn. Shakespear's Cave. Ryelands Cave.

- No.5. Three J's Grotto. Cable Bridge Area. Ogof Clogwyn. Rylands Cave. Swallet Survey. Lesser Garth Cave. Pant Mawr. Digger's Hole.
- No.6. Symonds Yat area. White Lady and Town Drain. Eglwys Faen and Agen Allwedd.
- No.7. Will's Hole. Pwll Swnd. Swildon's Hole.
- No.8. Will's Hole. Goatchurch Cave and Sidcot Swallet. Llethrid Swallet Pwll Swnd.
- No.9. Lower Wye Valley. Nash Rocks Cave. Rylands Cave. Coldwell Rocks. King Arthur's Cave.
- No.10. Agen Allwedd. Rylands Cave. Llethrid Swallet. Coldwell Swallet. Old Mine Shafts on the Doward. Iron Mine in the Forest of Dean. Symonds Yat area.
- No.11. Agen Allwedd. Potholing in Yorkshire. Sea Caves near Pendine. Dcygan Cave. Green Bridge Cave. Holyes Mouth.
- No.14. Agen Allwedd. Rhodamine Water Tracing Tests. Elm Hole. Old Bow Iron Mine. Caving in New Zealand.

THE MENDIP CAVING GROUP.

Newsletter No.15. 1957.
Journal 1960

Cooper's Hole. Survey of Goatchurch. The Policeman's Hole.
Caving Regions. Canyon Cave.

THE MOUNTAIN CLUB.

Magazine. 1958. Vol.3. Nos. 2 and 6. 1959. Vol.4. Nos. 1,2,3 and 4.
1960 Vol.5. Nos. 1 and 2.

THE NATURE CONSERVANCY.

* Reports. 1959. 1960. 1961.

THE NATIONAL SPELEOLOGICAL SOCIETY (U.S.A.)

* Occasional Papers.

No.1. The Origin of Helictites.(Moore)
No.2. Vertical Shafts in Caves.(Pohl)

* Bulletins.

No.7. Technique of Cave Photography. Composite Observations on Cave Life. Cacahuamilpa Cave, Mexico.

No.13. Techniques for dating cave deposits. Caves and Rockshelters in S.W. Asia. The Cave Salamanders of California. Wyandotte Cave. Titus Canyon Expedition. Southwestern Caves as Books of History.

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- No.21. pt.2. Speleology in Japan. Lava Beds National Monument. Ground Water Tracing Methods. Earthworms of North American Caves.
No.22.pt.1. Origin of Limestone Caves.
No.22.pt.2. Speleology in Hungary. Meteorology of Martens Cave. Vertical Shafts in Limestone Caves. Pseudokarst.
No.23.pt.1. A Study of the Hydrology of Limestone Terrain, Schoharie, New York.

* Spelio Digests

1956 and 1957. Both the above volumes contain articles on all aspects of Speleology too numerous to list in this index. A separate list will be issued at a later date.

* N.S.S. News.

- Vol.8. No.12. Vol.13. Nos.1-12. Vol.14. Nos.3,4,5,8,9,10. Vol.16. Nos.3-12.
Vol.17. Nos.1-12. Vol.18. Nos.1-12. Vol.19. Nos.1-11.

These pamphlets contain a great many articles of general interest and a list will be published at a later date.

THE SHEPTON WALLET CAVING CLUB.

Journal No.1.

Swildons, Shatter Passage. Springhead Rising. Swildon's, Trouble Series.

* THE UNIVERSITY OF BRISTOL SPELEOLOGICAL SOCIETY.

Vol.6. No.1.

August Hole. Fauna List of Mendip Caves. Preliminary Report on some Earth Resistance Measurements made near Tynning's Farm. Burrington Combe Survey. Field Work. Roman Coffin found at Batheaston. An Indicator of Water Flow in Caves. Irish Cave Pearls. Geology of Rod's Pot.

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The London Caver.

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Deneholes.

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Deneholes. Electromagnetic Surveying. Caves of Slovenia.

Bulletins.

Vol.2. No.25 and No.26.

1958. FEBRUARY. MARCH. MAY. JUNE. Swildon's Four. JULY. AUGUST.
SEPTEMBER. OCTOBER. NOVEMBER.
1959. MARCH. APRIL. Swildon's Accident. Caving Dangers. OCTOBER.
1960. APRIL. Priddy Green Sink.
1961. MARCH. APRIL. SEPTEMBER. OCTOBER. NOVEMBER.

WESSEX CAVE CLUB.

The Newsletters of the Wessex Cave Club are full of interesting features on Mendip Caves. A detailed list will be published at a later date.

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THE WHITE ROSE POTHOLE CLUB.

Newsletter No.12.

* YORKSHIRE RAMBLERS CLUB.

Journal.

Vol.9. No.30.

Clapham Cave. Lost John's Cave. Cave Exploration. Enniskillen.

CAVE PRESERVATION.

Vol.1. Nos.1 and 2.

SOUTH WALES CAVING CLUB.

* S.W.C.C. 1946-1956. Tenth Anniversary Publication.

The First Ten Years. The Past Five Years and Future Prospects.
Cave Fauna. The Discovery and Exploration of Tunnel Cave.
Some Mechanical Aids to Cave Exploration.

* Newsletters.

No.1. A.G.M. 1952 Report. Caving Prospects.
No.2. Ogof Pwll Trwyth. Ogof-y-Cae. Hospital Cave.
No.3. Bridge Cave, Incident. Unusual Conditions in O.F.D.
No.4. Pwll Swnd. Pwll-y-Goeden Gnau.
No.5. Caving Notes. The Heights of Low's.
No.6. Boulder Chamber, O.F.D. - The First Ascent of Bat Aven. - Pant Canol.
No.7. Pant Mawr Pothole. The Pant Canol Link-up. Tunnel Cave.
No.8. A.G.M. 1954 Report. The Discovery and Exploration of Tunnel Cave.
No.9. The Swallets of Llwyn-y-Bwch. Ogof Haffes?
No.10. Floods in Glyntawe. Ffryddiau Twrch Once Again.
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- No.12. A.G.M. Report 1955.
- No.13. Ogof Ganol. Llethrid. The Ascent of Steeple Aven. Tunnel Cave. Flood Rising in Tunnel Cave. Round and About.
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- No.16. An Independent Check on the Survey of O.F.D. More About Mud Formations. Further News from Llethrid Swallet. Weighbridge Report. Fluorescein Test. "They also serve who only stand and wait". Badger Hole and Careg Cadno. Ogof Glan Byfre. Dan-yr-Ogof, August 1955.
- No.17. Ogof-y-Ci. Pant Mawr. The Crwbin Cave. North Wales.
- No.18. Speleo-Botany. Welsh River Names. New Passage in Agen Allwedd
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- No.27. The Hot Air Mine. Ogof-y-Daren.
- No.28. A.G.M. Report. Note on Ogof-y-Darren.
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- No.36. A.G.M. Report. 1961.
- No.37. Accident at Pencoed. Diver's News. An underground Lab. at Moulis. Hazards of Handling Explosives. A Wettable Caving Suit. Cave Diving Without Tears. Around and About.
- No.38. Tooth Cave, Gower. August Weekend 1961. Rorrington Lead Mines. The Use of Magnesium Ribbon in Cave Photography. Mendip Nature Research Cmttee, S. Wales 1961. S.W.C.C. Expedition to Yugoslavia. 1961.