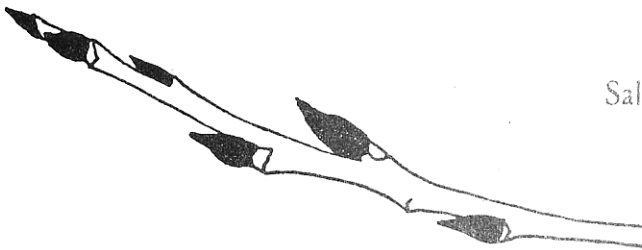


Salix caprea



UBSS

NEWSLETTER

New Series No. 14

Nov. 1980



Special

VALEDICTORY EDITORIAL.

Dear Readers,

I have been involved in producing Newsletter for the past three years and have been Editor of the past five issues. I think it would be good for Newsletter if there was a change of Editor and I am therefore resigning my post. Applications for the job should be made to the Committee via the Hon Secretaries.

Well, now I've got the business bit over and done with I can chat about how much I have enjoyed being Editor. One thing I have noticed (greatly to my amusement) is that UBSS Newsletter now features in the international caving bibliography - see 'Current Titles in Speleology' if you don't believe me! And better still (if you will forgive my vanity for mentioning it here), my tongue-in-cheek paper of NL 11 'The Palaeohydrology of Poulmagollum, etc.' was listed under 'IRELAND : Hydrology'. So now I am a hydrologist!

QUIZ TIME. What is the significance to caving of *Salix caprea*, as depicted on the front cover? A prize of 2 pints of beer (or a double fruit juice) to a Bristol resident or 1 copy of NOT The UBSS Songbook is offered for the first correct written answer. The draw will take place in Crockers on Sunday 30th November.

Love to all,

Charlie Self

PS.

The closing date for articles for the next newsletter is 31st January.

ADVANCE NOTICE OF A.G.M. AND ANNUAL DINNER

The dates have just been confirmed for the AGM and for the Annual Dinner. They are as follows :

A.G.M.	March 11th 1981
Annual Dinner	March 14th 1981

PUB MEETS

Tuesdays and Sundays
Fridays (Term Time)

Crockers Upper Lounge, Cotham Hill
Union Long Bar

TREASURER'S NOTE

The Union Levy for 1980 - 1981 is 40p. per student member. About 80 have joined or rejoined already this term. Students who were members last year are reminded that they must pay one of the Treasurers 40p., if they wish to continue their membership. If not, this is the last Newsletter they will receive and their membership will terminate on 31.12.80. Student members who left the University in July 1980 have until the end of the year to apply for ex-student membership. This must be done in writing addressed to the Hon. Secretaries.

Members will be pleased to hear that the Mendip District Council has granted us a fifty per cent reduction in our rates payable on account of the Spelaeo Hut at Burrington. This is because our Society shares with the University its charitable status. By the General Rate Act of 1967, Section 40, the rating authority is allowed to grant this relief on account of club houses, sports pavilions etc. belonging to charitable organizations. I applied for this relief in May 1980 and in August I got it. Our bill for rates is reduced from £34,42 to £17.21. I have passed the news on to our Union Treasurer, in case there are other student clubs paying rates on their premises.

O.C.L.

FOR SALE - Tee Shirts, Sweat Shirts and Songbooks

From the Treasurer, cheques to be made payable to UBSS :

T-Shirts £2.30

Sweat Shirts £4.60

Please allow 30p for p+p

From Charlie Self, cheques to be made payable to C.A. Self :

NOT the UBSS Songbook £1.00

Please allow 25p for p+p

FOR THE VERY YOUNG

and the young at heart

The skunk sat on a stump. The skunk thunk the stump stunk, but the stump thunk the skunk stunk.

William Wallace was a wicked critical cricket critic.

The singing swan sang a swansong.

To be read aloud

CHARTERHOUSE CAVING COMMITTEE

This Committee met again on Saturday 6th September, 1980, mainly for the purpose of approving the new agreement with the Bristol Waterworks Co. (B.W.W.) and for revising the Constitution. Clubs represented were the Wessex C.C., the B.E.C., the U.B.S.S., the Shepton, the Axbridge and the Avon Scouts. It was noted that the Sandhurst had not paid up for three years, so they were thrown out.

The money banked in a previous Hon. Sec.'s name had at last been recovered and there were now £93 in the kitty.

The new Agreement with the B.W.W. had become necessary, as the B.W.W. felt that, since Tratty's death, the old one needed replacing. The new one is almost word for word the same as the old but lowers the age limit from 21 to 18 years. Four points however need noting.

1. The area map shows much less land now in the possession of the B.W.W. In particular the Cheddar Bone Gave is now outside the area and so is Gorsey Bigbury. It still however includes Gruffy Field, Longwood and Velvet Bottom.

2. It was noted that, although the C.C.C. is made responsible for fences and gates, it has always been the practice of the B.W.W. to do this themselves, particularly in Gruffy Field, where they have not only fenced the periphery and made a nice new gate for cavers, but have also fenced the collapsed doline just south of the Tynings Stream sink. This implies that they are responsible for these fences.

3. The collapsed doline, which appeared many years after the original agreement, is not considered by us to be an "entrance" within the meaning of the Agreement. We decided not to refer this to the lawyers for an opinion. In any case there is nothing we can do about it.

4. The Sub-Licence which affects the U.B.S.S. control of G.B. Cave is between us and the C.C.C. We considered that it still holds good and does not need replacing. Both the main Licence and the Sub-Licence depend on one another for their validity.

5. The U.B.S.S. Hon. Sec. is obliged by the Sub-Licence to keep a register of all permit holders to G.B. It was agreed that the Hon. Sec. of the C.C.C. will do this for us.

The Constitution was revised as follows:

CHARTERHOUSE CAVING COMMITTEE CONSTITUTION

A. Aims

To operate the agreement between the Bristol Waterworks Company and the Charterhouse Caving Committee licensing caving in the Charterhouse Caving Area.

B. Constitution

1. The Charterhouse Caving Committee shall consist of one member from each of the constituent clubs.
2. Subject to satisfactory insurance indemnifying the Bristol Waterworks Company in the event of a claim for damages, the constituent clubs shall be:- University of Bristol Spelaeological Society, Wessex Cave Club, Bristol Exploration Club, Mendip Nature Research Committee, Axbridge Caving Group, Shepton Mallet Caving Club, Mendip Caving Group, Cerberus Spelaeological Society and the Avon Scout Council.
3. At the discretion of the Charterhouse Caving Committee a caving club may be added to the list in B.2, provided the insurance of that club is in order and that its debts, if any, to the Charterhouse Caving Committee are fully paid up.
4. The Charterhouse Caving Committee shall levy dues that are necessary of the operation of the agreement equally from each of the constituent clubs.
5. Any constituent club failing to pay its dues over two years shall automatically cease to be a constituent club, and will forfeit its caving rights in the Charterhouse Caving Areas. It may rejoin the Charterhouse Caving Committee as a constituent club under rule B.3.
6. The Charterhouse Caving Committee shall at an annual meeting elect an honorary Secretary/Treasurer.
7. Affiliated Clubs
 - a. A Club may become affiliated to the Charterhouse Caving Committee if it applies to become so, provided that it has an Insurance Policy indemnifying the Bristol Waterworks Company and the Charterhouse Caving Committee in relation to its activities in the Charterhouse Caving Area, and if it agrees to maintain this policy.
 - b. Approval of a Club as an affiliated Club shall only be given at a Meeting of the Committee.
 - c. An affiliated Club shall be entitled to have permits issued to its members from the Secretary of the Committee subject to fulfilling the standard requirements. Such permits shall be for a period not exceeding one year.
 - d. An affiliated Club shall pay to the Committee a sum of 50p. per period permit.

(Charterhouse Caving Committee Constitution, ctd.)

B. 7. e. An affiliated Club shall not be entitled to receive notices of any Minutes of Meetings or to attend Meetings, but may be invited to send a representative to a meeting.

B. 8. Temporary permits valid for 14 days may be issued by the Secretary of the Committee or by constituent clubs, at a minimum charge of 25p. per permit.

C. Meetings

1. The Charterhouse Caving Committee shall meet at least once a year to transact business, receive reports and approve accounts.

2. A minimum of 14 days notice shall ordinarily be given for every meeting, accompanied by the proposed agenda.

3. A special meeting may be called by the Hon. Secretary or on the request of not less than three constituent clubs.

4. A quorum shall consist of the representatives of four of the constituent clubs.

T.E. Large, Hon. Secretary
Charterhouse Caving Committee. 6.9.80

New permit forms were issued. There are two sorts for us, the period and the temporary. The period permit is the one we are likely to use for our own members, for up to five years. They are issued free. The temporary permit forms are sold to the constituent clubs at £5 for a book of 100. When issuing one of these pink permits for 14 days a charge of at least 25p. must be made to the recipient. It was also noted that clubs are in the habit of charging a £5 returnable deposit on each key issued.

Tom Elkin applied for constituent membership on behalf of the Charterhouse Outdoor Activity Centre, which he runs for the Somerset Co. Council. The Committee was in some difficulty here, because although they wanted to let in Tom and his henchmen, they didn't want to see the entire S.C.C. signing permits. It was eventually agreed that the Centre be admitted as a constituent member on condition that only Tom Elkin signed the permits. This is unconstitutional but we hope it will work.

O.C.L.

SOUTHERN CAVING CLUBS CO. LTD.

A meeting of Directors was held on Saturday 6th September. Present were Frank Murphy (Speleo Rahl), Graham Price (Cerberus), Alan Butcher (Shepton, Hon Sec. and Treas. of Co. Ltd.), Roger Gosling (Hon. Treas. of C.S.C.C.) and Oliver Lloyd (U.B.S.S.). The business was to consider renewal of the Lamb Leer Licence and the draft of a new agreement relating to some stone mines at Bathampton.

The Licence for Lamb Leer was agreed with the Somerset County Council for three years from November 1977. The Council is asking us to pay £150 for the next three years, as compared with £100 for the last three. This seems advantageous, since the F.T. index has gone up by more than that in the same period. They are also asking us to pay £10 towards the legal costs.

Your representative (O.C.L.), who is the Director responsible for the Lamb Leer cave tackle, had his arm twisted over the condition of the entrance gate. He has undertaken to have this repaired. He went there later with Chris Pepper, who has taken some measurements and will carry out the work.

Some months ago the Council of Southern Caving Clubs decided that it wanted the opinion of a qualified engineer about the state of the scaffolding and platform in the cave. Now that access is controlled by them through the Co. Ltd. they would become liable, were the scaffolding to collapse and injure a caver. Your representative is in communication with mining engineers in the Forest of Dean and expects shortly to visit the cave with them. Members may need reminding that a former Secretary of U.B.S.S., Ian Standing, owns a coal mine there, which he digs every Wednesday evening.

O.C.L.

INTERNATIONAL JOURNAL OF SPELEOLOGY

I have recently received a circular from Trevor Shaw, Advisory Editor of the International Journal of Speleology, who tells me that this scientific publication first appeared in 1964 and is now in its 10th volume. He also declares that (a) it has survived, despite rumours to the contrary (b) the subscription rate has reduced from US \$40 to a mere US \$25 and (c) that its scope was widened several years ago to include the physical cave sciences and speleohistory as well as biospeleology.

Readers of this note are invited to subscribe (via a large bookseller to avoid currency conversion) and to submit suitable manuscripts for publication. Further information from Trevor Shaw, 11 Bewley Lane, Lacock, Chippenham, Wilts.

IRELAND, JULY 1980

Our party of five spent a happy and successful fortnight in Co. Clare, in spite of wet weather. Mike Martin, Mick McHale, Martin Warren and Oliver Lloyd travelled in the Lloydicle, while Janet Cooper came by train. We stayed at the cottage with the green roof and have booked this again for the same fortnight in July 1981.

We went caving on every day except for two, one of which was devoted to a trip to the Aran Isles. The ground was dry to start with, so that we were able to do the Coolagh River Cave before it became unsafe. We were also able to start the length survey of Bullock Pot. To the top of the First Pitch is 144 m. and our party reached Fat Man's Corner at 383 m. Surface survey shows the pitch to be nearly opposite Poll Elva. There was an inlet into Bullock Pot from the right under E 11 and Fat Man's Corner is under E 12 c. Heavy rainfall prevented us from continuing with the work. Our party considers that the difficulties and unpleasant nature of this cave have been exaggerated and they look forward to going down it next year to complete the length survey.

Doolin Cave was our first visit. St. Catherine's 1 was dry, because the stream had been impounded just above. Smithy Stream was exceptionally smelly, because the whole of the effluent from a septic tank draining the Festival camp site is poured down the Doolin Road Sink. We tried to trace the water heard at the end of the 1978 extension of the Smithy Complex, but were unsuccessful. Some digging is needed. On another day our party did a length survey upstream in the St. Catherine's 3 streamway, from the point where the stream is lost. After 320 m. the passage gets too low for progress in such wet conditions. The 1959 survey only went for 284 m.

Other caves visited were Poll an Ionain, Pollnagollum three times, Poll Elva through trip, Cullauns 1 and 2. The through trip had to be saved up until the last day, when it was drier. Branch Passage Gallery was explored but the ladder pitch was taking too much water for a round trip to be made. Poll Nua is opening up nicely, but is still impenetrable to cavers. Another season should see it open.

The surface survey from Bullock Pot to Poll Cragreagh (1000 m.) was completed and all the more promising openings were explored. Some of these were visited in May 1980 and our findings do not exactly correspond with those. However the surface survey now makes it possible for these openings to be examined without any doubt as to which ones have been looked at. One of them enters a cave big enough to be given a name. This is Cragreagh Road Swallet. It is just by the road junction for the Cragreagh mountain road, Tratty's old number E 12 a. The entrance is not the sink but a hole (40 x 50 cm.) 1.5 m. to the north of it. The cave runs for 30.1 m. The stream tunnel is 40 x 60 cm. at most, well decorated with flowstone gour pools. 13.3 m.

from the entrance is an inlet to the right, also well decorated, which closes down. 16 m. from the entrance is a drop of 1.5 m. A dry upper level passage continues above and was followed for 10 m. The original stream passage after the drop continues the same size for another 14 m.; then there is a second drop of 1.5 m. into a water filled pool 10 cm. deep. The water goes off bottom left into an impassable passage. A dry rift continues ahead and is very contorted but could be pushed. This cave was visited by J.T.G. on 1.5.80 who estimated 23 m. for the wet part and another 23 m. for the dry. The co-ordinates for the entrance are Clare 4, E. 91.4, N. 10.6cm.

The weather become really wet on 23.7.80. That day the Owentoberlea was full all the way from Killeany Rising to St. Brendan's Well and the Aille River was rushing out to sea, making its characteristic right-angle bend at the sand-bank. Our party visited Cullaun 1 on that day, found the First Vertical Feature quite sporting and the 1st Pot even more so. The rift at Sect. 20 was taking a lot of water. That night, after a drinking party with Frank Nicholson and his crowd, one of us was inveigled into making a trip down Cullaun 2, returning at 6 am. Frank's party was occupying McCarthy's cottage and doing a lot of hydrology.

Three visits were made to the closed depression in Td. Knockaunmountain, a fascinating feature which deserves further study, lying as it does over the end of the known part of Pollballiny.

We are grateful to the University of Bristol for a grant of £350 out of the Tratman Fund, towards our expenses.

O.C.L.

Quotable Quotes

" If you can get toothpaste out of a tube you can get Bob Churcher through the Lavatory Pan." - Oliver Lloyd, discussing Swildons Hole with Paul Harvey.

" L'exploration de certaines des cavites de cet atlas n'est pas terminee. Respectez les regles de priorite et de fair play. Ecrivez, dans ce cas, aux explorateurs." - Paul Courbon, in Notes de l'Auteur, Atlas des Grands Gouffres du Monde (1979).

The UBSS Austrian Expedition - 1980.

This year's continental contingent of UBSS consisted of Tim Lyons, Steve Perry, Ken Baker and Clive Owen. The venue was the edge of the Lozer plateau above Altaussee in Austria, which is about 60 miles south of Salzburg. The expedition started on Friday 25th July at Julian Griffiths' flat in London where we met members of CUCC (Cambridge) with whom we were to be caving in Austria. A slight detour on our way through Bavaria allowed us to visit Bob Churcher in hospital at Oberstaufen before continuing to the campsite at Altaussee.

The first four days were spent prospecting for "draughting holes", the characteristic feature of promising entrances in this part of the world. Ideally they should draught strongly enough to blow out a carbide lamp in a squeeze - as at least one of our discoveries did. The exploration then commenced and concentrated on three systems in particular :

(a) Stelleweghöhle (41), originally discovered by German cavers; (b) Sonnenstahlhöhle (113), a new discovery by members of the CUCC party and (c) Schnellzughöhle (115), discovered by the UBSS party.

Stelleweghöhle had been previously explored by German cavers who had given up at the head of a huge ramp pitch. Through the inspiration of Julian Griffiths of CUCC a new route was found through an ancient phreatic system into a very large rift, giving a 106 metre pitch in three sections. Below, the rift continued in shorter drops with a trickle of water. Combined teams of CUCC and UBSS pushed down to the present limit of about -500 metres. The rift continues but we ran out of time. The upper sections of the cave are loose and muddy, making a toothbrush an essential item of kit for cleaning jumar cams. From the bottom of the big pitch the route was cleaner, though tight at times.

Sonnenstahlhöhle was discovered and explored by CUCC this summer. At their invitation we decided to visit it for a tourist trip. The limit of the cave is at c. -460 metres where it is blocked, but we had only got to about -260 metres when we were struck by a flood pulse which caused more than a few cold shivers. A very hasty exit was made with a 40 metre waterfall (including a hanging change-over) providing a nerve - racking test of ascending technique.

Schnellzughöhle is our very own discovery and holds promise similar to that of Stelleweghöhle, though so far it has proved to be a pleasanter system. We dug into the cave through a 3 metre diameter phreatic tube blocked with stones and boulders. The initial exploration halted at a mud choke beyond a 8 metre pitch but another phreatic tube was reached by an ascending traverse above the pitch and led into a much more extensive system with a 20 metre pitch and several hundred metres of horizontal development. At

least two possible ways on were found and one of these leads to a large descending ramp which unfortunately we did not have time to explore. The limit of present exploration is just over -100 metres but the way on is open and waiting.

The expedition proved to be a most enjoyable and fruitful trip. The discoveries were notable not only for their size and depth, but also for the amount which clearly remains to be found. Data was collected for surveys of the systems and these will be published in due course. We were most grateful for the money given to us from the Tratman Fund and in conclusion here is a brief summary of the expedition finances :

EXPENDITURE	£	INCOME	£
Petrol	120.00		
Insurances (Personal and car)	70.30		
Ferry	105.00		
Communal Food	75.00		
Car (Parts and Servicing)	100.00		
Sundries (Campsite, Food, Tolls)	150.00	Tratman Fund	300.00
		Members' Contributions	310.30
	-----		-----
	610.30		610.30
		Clive Owen	1.11.80

My Impressions of a Recent Joint CUCC/ UBSS Caving Expedition to the Löser Plateau in Austria.

Expedition Members

Julian Griffiths	CUCC (EXCC)
Tony Malcombe	CUCC (EXCC)
Nick Thom	CUCC (EXCC)
Andy Waddington	CUCC (EXCC)
Budge	NPC
Simon Kellet	CUCC
Andy Connolly	CUCC (EXCC)
John Bowers	CUCC (EXCC)

Ben Van Milligen	CUCC (EXCC)
Steve Perry	CUCC/ UBSS
Clive Owen	UBSS/ SWCC
Tim Lyons	UBSS/ WCC
Ken Baker	UBSS

Nine of the expedition members met at Julian's flat in Highgate on the evening prior to departure and repaired to "The Wrestlers" for a pint.

Tim and Clive arrived after closing time so we opened and drunk a litre bottle of Black Label. Clive recycled his onto Julian's doorstep next morning. Steve arrived from Jane's flat. The street outside was turned into the expedition depot.

Somehow, 1 kilometre of rope, a tonne of gear and thirteen covers were crammed into 4 small cars and we embarked.

We did the usual exhaust removal job on Clive's car, disembarking from the ferry and drove down through Germany with the front wheels aquaplaning in the torrential rain.

Clive, Steve, Tim and I in Clive's car made a detour to visit Bob Churcher who was sitting in a Cottage Hospital in a remote part of Southern Germany. We all got good and drunk on the powerful local brew and stayed the night at the Army Mountain Hut.

Since we were only 4kms from the Austrian border we decided to drive through Austria to Gölling. Unfortunately travelling by major roads proved much slower than the autobahn and it took us all day. The drive of course was very scenic taking us at one point through a 14km tunnel at St Anton.

Arriving at Gölling we learnt that one party had been up on the Tötesgebirge at Wildensee that day and another on the Tennengebirge looking for cave entrances. Unfortunately permission to prospect on Tennengebirge had not been sought far enough in advance so CUCC had decided to move to the Löser at Altausee where they had been for the past three years. One of their previous finds 106, Eislufthöhle, had gone to -506m the previous year.

The campsite at Altausee was on the shore of the See with the imposing 100 metre Trisselwand on one side and the Löser, to our left, on the other. Next to the campsite was a tennis court where delectable nubile could be observed from 7am on week days and 6am on Saturday mornings! Another favourite leaching spot was the Strand Cafe just across the lake from us.

The next day was walking up mountains day argh!! which nearly killed me. The object of the "exercise" was to prospect around the Augstwies See, a small see at approx 1500m and then to traverse around the Löser to meet up with the remainder of the party at the Cafe at 1600m and drive back down the toll road some 14km to the campsite. I was told to look for "draughting holes".

I discovered what was meant later when we passed entrance no 27 on the Löser path.

The whole area around the entrance was really cold in comparison to the ambient temperature of around 25°C. A draughting hole that choked in a small chamber was dug into right on the path, but we didn't bother to return to the site.

The following day (Tuesday) Clive, Tim, Simon and I went prospecting and after looking at three holes found one of railway tunnel proportions with a howling draught blowing from it. It was on the Wednesday when Tim was doing his human mole bit moving tonnes of rubble that Clive cried in anguish "I haven't opened the wine!" We had some very pleasant picnic lunches in Austria.

We nearly didn't find the way on in our cave, 115. First it choked off; as described elsewhere in this issue, Simon and I put some airy bolts in the wall and Clive traversed across to a blank hole which also closed off after a short while. Since the draught was still there Tim suggested a black hole in the roof so up went Clive and found... a draught! a stooping passage and a 20 metre free hanging pitch.

I was accorded the honour of the first descent and found a sharp canyon passage. This proceeded for approx 30m to an old fossil phreatic tube approx 7m diameter. This split after a further 60m approx. The right fork had the draught and after a further 30m the slot in the floor was descended to a ramp and the unknown. I did not appreciate the relevance of what we had found at the time and it was not until the end of the expedition when Tim and Clive had another look that I realised what I had missed. We called 115 Schnellzughöhle. ? - Ed.

Other caves explored were Stellaweg (41) to approx -370m (-150m) down the German route by Julian, Steve, Tim, Clive and Ben; Sonnenstrahlhöhle (113) to -330m by Tony, John, Andy and Nick.

Stellaweg was previously known and Sonnenstrahlhöhle was a completely new find with a very impressive daylight entrance pitch with a huge snow slope at the foot.

It was from this cave that Clive, Tim and I had to exit very rapidly after a thunderstorm sent a flood pulse through the cave. I was somewhat horrified by the speed with which the water increased. It was as if someone had been sitting in the stream and had suddenly stood up. The water was very cold making the ensuing prusik up Purple Pitch one I shall never forget.

Upon emerging from 113 we were greeted by the fantastic view of Dachstein and the surrounding mountains in the incredibly clear air which follows a rain storm.

Unfortunately we had left Tony, Andy Connely and Andy Waddington 300 metres underground without electric light. They sat it out for twelve hours whilst a mini rescue was mounted. We were very relieved to see them return safely at 2am next morning.

One of my most pleasant memories was of an afternoon we spent in Salzburg. I

visited a sports shop on Mozart Platz (in order to buy some krabs). Whilst inspecting some karabiners a soft voice behind me asked "can I help you". When I looked up I was gazing into the eyes of a beautiful girl, the shop assistant.

Altogether it was a memorable holiday. The caving was good too!

Ken Baker

Editor's Note. [REDACTED] in the names and depths of the caves recorded in the last two articles should be resolved by the time the full report is forwarded to Proceedings.

FORTHCOMING EXPEDITIONS

- Mendip 1980-1 The traditional expedition to the hut will take place on the evening of 31st December 1980 to welcome in the New Year. Those who wish to partake of the turkey should contact Oliver Lloyd (tel 683229).
- Ireland, May 1981 Co Clare in the springtime can be beautiful. The best weather is usually in May. Contact Charlie Self, % UBSS.
- Ireland, July 1981 This is a traditional UBSS Co Clare meet. Contact Oliver Lloyd.
- Yorkshire, Easter
1981 This is a traditional UBSS meet. We normally camp behind the Helwith Bridge during Bank Holiday Weekend. Contact Oliver Lloyd.
- Austria, 1981 The recent Austrian Expedition was highly successful. It is very likely that another expedition will be launched during the summer months. Contact the Hon Secretaries.
- Greenland, 1982 Charlie Self is organising a private caving expedition to the north coast of Greenland, latitude 82°N. As we shall have to be entirely self-dependant, members of the expedition will have to be close friends.

STOP PRESS

Caves of County Clare is now complete and has been given to Oliver Lloyd, who shall take it to the printers. It should be available for sale next spring.