PLYMOUTH CAVING GROUP JOURNAL AND NEWSLETTER.

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Plymouth Caving Group can be found on Thursday Nights at the Breton Arms, Bretonside, PLymouth, in the Smoke Room. Please come along. New members welcome.

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EDITORIAL.

Well,as 1989 draws to a close, we look back on a year that has seen a few major global changes- the highlight of course being the end of the Berlin Wall! Not forgetting of course major finds in various caving areas around the Globe- Matienzo notwithstanding! We have had the National and Regional caving conferences, the latter being a major dissapointment on the attendance front!!!! However, the recent D.C.R.O. Training Weekend I believe was a success - the attendance figures possibly the highest for ages, and of course the sponsored Overnight/Underground in Baker's Pit - Well Done Bob C, Dave P-J, Alastair and co. Congrats also to those who have found recent caves/extensions in various parts of Plymouth and other areas.

Recent trips have included South Wales, Mendip on more than one occasion includin a day trip to Swildon's.

On the domestic front, Welcome to all new member's - hope to see you on regular occasions. Congrats to Bob and Julie- Bob on his new appointment and future appt as father as opposed to father-figure , and to Julie in her soon to be new role as mother. Again congratulations to Martin and Naomi on their recent betrothal.

Keep the articles coming, as I'm sure there are some budding Shakespeare's or Jeffrey Archers' out there as the input seems to be from the same regular writers', articles are always welcome.

A MERRY CHRISTMAS AND A HAPPY NEW YEAR TO ALL OUR READERS, MAYBE SEE YOU IN YORKSHIRE IN THE NEW YEAR OR DOWN THE BRETON THURSDAYS'. BYE FOR NOW.

G.P.H.

## CAVING NEWS.

Devon : Cattedown . A new cave, Chimney Cave, was found in March by Andy Bennett, and was explored by Andy and Alasdair Neill. It was connected to Meet Cave on December 2nd. A survey is being prepared.

Radford. A new extension has been discovered by Darren Hitchcox. It is yet to be fully explored and surveyed.

Afton. Please note that one should park in the clearing off the track leading to the cave,not in the farmyard. Please behave responsibly- the farmer has made complaints about the actions of some cavers. Further incidents could lead to the closure of the cave. No access is allowed on Saturdays when the Quarry is used for shooting.

Kingsteignton Area. Interest has been shown recently in the RYDON Cave area, which is probably a very good site. The landowner is very keen for diggers here, but it would be a long-term project so commitment is needed. This could perhaps be best done in Conjunctio with other clubs. Plymouth cavers did a great deal of work here about 10 years ago, but never publicised the result of their efforts. Anyone interested?

Chudleigh. Active digging is continuing at skullcap Cave by the DSS and CSS, probably the only determined dig by cavers in Devon at present, and also at Kerswell Cave.

Berry Head. A new discovery is Easter Cave, 20m long.

MENDIP :Minor discoveries and major projects at present include Gough's Cave,Eastwater (Westend Series), Twin T's, and elsewhere.

WALES. Ogof Ffynnon Taf, Lesser Garth Cave, and Ogof Pant -Y-llyn are all in serious danger of destruction by quarrying.

There is talk of a recent promising discovery on the Black Mountain, probably the area in Britain with the best prospects for major discoveries.

Craig -y-nos Quarry Cave. Access is only granted to the SWCC and Minerva Centre.

Ogof Rhyd Sych. Please do not park in the Pont Sarn pub car park without permission

Pwll y Rhyd, White Lady, Ogof Igam Ogam. Permission should be obtained from Griff Davies, Dyffryn Nedd Farm, 40p should be placed in the ammo can in his porch. Park in the field up the track, over the bridge.

Ogof Corryn Cawraidd is a new entrance to Little Neath River Cave, less flood prone but very tight and loose.

THE DALES.

Hagg Gill Pot ., the 1988 discovery by WRPC in Langstrothdale, 1.5 km long, now has a new entrance, Shatter Pot , the original one being capped. Permission from Raisgill Farm

Sowan Burn Cave., Weardale, has been extended, but access is very restricted.

The Gavel Pot entrance has collapsed, and should not be attempted until repaired; access permission will not be given meanwhile.

The Ireby Fell entrance is also still very loose.

Other News: Seen in the national Press recently, a Saxon cave was found in the JERUSALEM ARMS, Nottingham, whilst a new kitchen was being fitted.

Also , Archaeologists may have uncovered a Neanderthal Cave family with their latest find at Pontnewydd in Clwyd and may be on the verge of the most important discoveries since investigation of the site began in 1978. The molar of a child aged eight who died nearly 250,000 years ago has been discovered. Already some bones from an adult and children aged 12 and 8 have come to light. Apparently the remains were from an early humanoid strain which became a "dead end", developing separately from the one modern humans are descended from. With the recent excavation of a second entrance to the cave,45 metres from the first, Dr Stephen Green, keeper of archaeology at the National Museum of Wales, believes they are on the verge of discovering an even earlier habitation on the only site in Britain producing Neanderthal remains.

A stalagmitic floor has been discovered which is to be dated using the new Uranium series technique.

It is known that the cave was occupied by bears before it became a human settlement, whose presence was confirmed by the remains of domestic fires.

## THE 1989 NATIONAL CAVING CONFERENCE.

The conference is an annual affair and this year was held at the University of Manchester (UMIST) on the 16th and 17th September 1989. The conference consisted of many talks/lectures about foreign expeditions, new discoveries in the U.K.,a photo competition, videos,and discussion sessions as well as offering a chance to look round, and compare, a number of trade stands. In the evening a quiet bar was available on the University premises and there was a "bash" in an adjacent hall which consisted of a folk dance followed by a live rock band. Accomodation was available in one of the University Halls of Residence on the Campus.

One of the new features this year was a slot giving each of the caving regions an opportunity to talk about what was going on in their area. Devon and the South West took full advantage of this opportunity as shown by the report below from Bob Cawthorne

## DEVON AT THE 1989 CONFERENCE.

Devon was well represented this year, at the National Caving Conference held in Manchester, by several different clubs, the new Pengelly mobile display, and a one hour of news lectures hosted by Dr.P.Glanville.

The first such section was regional but not quite Devon- the Caves of Portland Bill, Dorset. The speaker outlined the geology of the area and explained how there are two main types of cave development, namely at the junction of an impervious layer giving rise to horizontal development and secondly rift enlargement. The caves were in the main tight! A further inspection of the coast showed similar features as well as sea caves. It appears there is a lot of potential for new finds in the area.

Chris Proctor then Spoke on Mass Movement Caves, the first type of these occurs when soft rock underlies a hard rock and sinks beneath its weight. The tipping of any such masses of rock gives rise to "Slip Rifts". Examples of these in the Torbay area were shown at Anstey's Cove : Redgate Pot and Avalanche Rift being two examples. It is interesting to note that some of these sites are still active, and also this type of cave has produced the deepest cave pitch in Devon.

Then two distinct types of cave were illustrated that had been found on Dartmoor. The first, caused by frost wedging, are typical of the caves found in granite tors,an example of this is Pixie's Hole on Sheep's Tor. They are enlarged fissures caused by th pushing effect of the expansion of water when freezing. The second type- named 'Talus Caves' are formed when material, debris etc is washed out from between larger boulders. One example was a cave formed in the peat layer just below the surface. In another, quite an extensive system of interconnecting passages has been found in the boulders of a river bed.

Bob Cawthorne spoke mainly on the Kitley Cave System and described the discoveries of John Wright. In-Hen Hole and Bob's cave, extensive removal of silt has exposed several hundred feet of passage. Important bone remains have also turned up. These include from 150 years ago, the collection excavated from Yealm Bridge Cavern by Dean Buckland. John Wright is to be congratulated on his efforts.

Finally Alasdair Neill's survey of the Plymouth Extension in Baker's Pit cave and his mapping of the Church Hill Caves onto one survey was described.

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Marble Steps Pot.(1969).
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MAPS.

ORDNANCE SURVEY.

1/50 000 187 Dorking, Reigate and Crawley.
201 Plymouth.
202 Torbay and South Dartmoor.
1" = 1 mile 93 Scarborough.
1" = 1 mile, approx 1909 (Cornwall) - 308,336,349.
6" = 1 mile O.S.-Devon Series- These are second edition (c1909) unless otherwise stated. They cover the S.W. Dartmoor-Bere Alston-Saltash-Plymouth-Ivybridge Area. First edition maps are 1882-1886.

93 N.W. (first edition)
98 N.E. ,98 S.E.(both first edition).
106 N.W.,N.E.,S.E. (all first edition),S.W.
107 N.W. (first edition),S.W.
111 N.E.,S.W.,S.E.
112 N.W.,N.E.,S.W.,S.E.
113 N.E.,S.W. (first edition),S.E.
117 N.W.,N.E.,S.W. (1892/1933/1938),S.E.(1912/1933).
118 N.W.,N.E.(first edition),S.W.(first and second edition),S.E.
119 N.W.,N.E.,S.E.
123 N.W.,N.E.,(1893/1907/1938).
124 N.W. (1893/1933),S.W. (1933).
125 N.W,N.E.
129 N.E.
1/2500 Scale ,but reduced. 1904-1933, Plymouth Area.
117 -11,-12,-14,-15,-16.
118 -9,-13.
123 -2,-3,-4,-7,-8.
124-1,-2,-5.

SPAIN. 1/50,000 15-5, 15-6, 16-5, 16-6.

FRANCE. 1/25,000 3136-E, 3235-E,O, 3236-O, 3237-O.

There is a very large collection of Journals e.t.c., these have already been listed in P.C.G. Journal 99 and in subsequent"Additions to the Library". If anyone has access to a computer, a revisable list could be produced! If anybody has any books, surveys e.t.c., they don't want, covering relevant topics, they would be gratefully received; also if anyone sees anything they want purchasing, or see old caving books for sale, please let me know!

DIARY.

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**NOTICE IS HEREBY GIVEN OF THE 1990 ANNUAL GENERAL MEETING TO BE HELD AT 2000 ON THURSDAY 18th JANUARY 1990, IN THE SMOKE ROOM OF THE BRETON ARMS, BRETONSIDE, PLYMOUTH.**

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27th JANUARY 1990. D.C.U.C. A.G.M.
21st APRIL 1990 D.C.R.O. A.G.M.
12th MAY 1990 PENGELLY A.G.M.

## BATS

Speleologists tend to be occasional visitors to caves. However for some animals the cave may well be a temporary home. Following a discussion at the usual watering hole, on the usual Thursday the following notes may be of interest to members of the PCG (or even to the odd mole if they can read).

## BATS AND THE LAW

1. All 15 species are protected under the Wildlife and Countryside Act 1981.
2. It is illegal for anyone without a licence to deliberately kill, injure, or handle any wild bat of any species, or to disturb a bat when roosting.
3. It is an offence to damage, or obstruct access to any place that a bat uses for shelter or protection.
4. It is illegal to disturb a bat while it is using such a place.

So - if you find a cave in this country, and it is occupied by bats leave them and it alone. Inform the Nature Conservancy Council of the site location. If you go back and disturb them again you are breaking the law. If you wish to photograph the bats you must obtain a licence from the NCC.

The reasons behind the law are quite clear if you understand some of the basic biology of bats. The notes that follow are general - specific details vary from species to species.

## BAT BIOLOGY

1. Bats do not breed until they are 2-4 years old usually producing a single young in alternate years.
2. Mating occurs in Autumn, but implantation of the fertilized egg is delayed until late Spring. Development of the young takes about 6 weeks but this does depend on Spring weather.
3. The young are suckled for about 5 weeks.
4. Bats can live for up to 30 years.
5. Bats have widely varying body temperatures (the technical term is heterothermic In flight it is about 42°C with a pulse rate which can be up to 1000/min, when resting the body temperature may fall to that of the surroundings.
6. They eat insects building up weight until hibernating from October to April.
7. During hibernation the body temperature may be as low as 0°C.
8. Hibernation roosts depend on species preference

| | |
|---|---|
| Greater Horseshoe bats prefer | 6-9°C in winter |
| Daubenton's bats prefer | 3-4°C in winter |

In general terms heavier bats choose warmer sites, thin lightweight bats prefer cooler sites.

Disturbance of hibernating bats create metabolic stress, uses up energy reserves, affects the reproduction cycle, and can cause death.

Disturbance of nursery sites can seriously affect the survival rate of an endangered species.

J MOSES BA MI Biol, C Biol.

# MATIENZO '89.

This year the Matienzo MUSS expedition was attended by PCG members Andy Bennett, Jane Evans and Alasdair Neill. Other PCG members called in for a while on their way to and from the Picos, and did some caving. We were accompanied on the ferry out by Phil and Lillian Romford, late of BAT Products, on their way to a new home in Portugal; they were to turn up unexpectedly in Matienzo some time later, their car having blown up not far outside Santander!

The ferry arrived in Santander on 1st August, and driving down from the pass of Puerto de Alisas we met Terry Whittaker, Paul Stacey and others who were in search of a back entrance to Valline. This cave, of which more later, was the big discovery of the expedition, with over 12km discovered so far. It had been discovered a week before (23rd July), and has enormous potential, a link with Renada seems likely.

We then carried on to Matienzo and set up camp- on a new site, immediately behind the bar! We then went caving.

CUEVA DE LOS EMBOSCADOS (87). Andy, Jane, Lou (Dutch), Steve, Dave, Rob, Ali. This short but impressive cave is a short walk from the campsite. An entrance crawl leads to some impressive formations and a stal flow down to the floor of the main passage. This large passage ends at a strongly draughting choke. We had a poke at this, and did some climbs- mostly done before. Jane went down a hole in the floor at the foot of the stal bank which leads into some passage, done before again. The scratchings of deer on the wall were pointed out. A number of stone axe heads were found near this cave during the expedition.

CUEVA DEL AGUA (59). Andy, Jane, Ali.
A trip to the bottom. The 1988 extension above the cascades was looked at, up an awkward climb.

Aug 2nd. MUELA. Andy, Jane and Ali.
A trip following up work done in 1988. This part of the mountain has only revealed shallow choked shafts. A long drive along a rough track, and then a steep climb up in the heat. A number of previously located shafts were descended, and some new ones found.

697. A shaft of 9m, 4m crawl at the bottom.
742. Shaft of 10m, to choke. Goat and horse bones.
743. Rift, freeclimable, 2m deep, 6m long.
Crawls, both 6m long, found 6m and 20m to the north.
744. Collapse into chamber 12m by 10m, no way on.
745. Two holes 10m apart. 6m pitch.
746. Draughting choke in bottom of doline. Shaft 8m deep descended on SE side.
696. 2m long squeeze leads to 18m pitch to choke.
654. Entrance opened up, 3m slope leads to 16m pitch to choke.

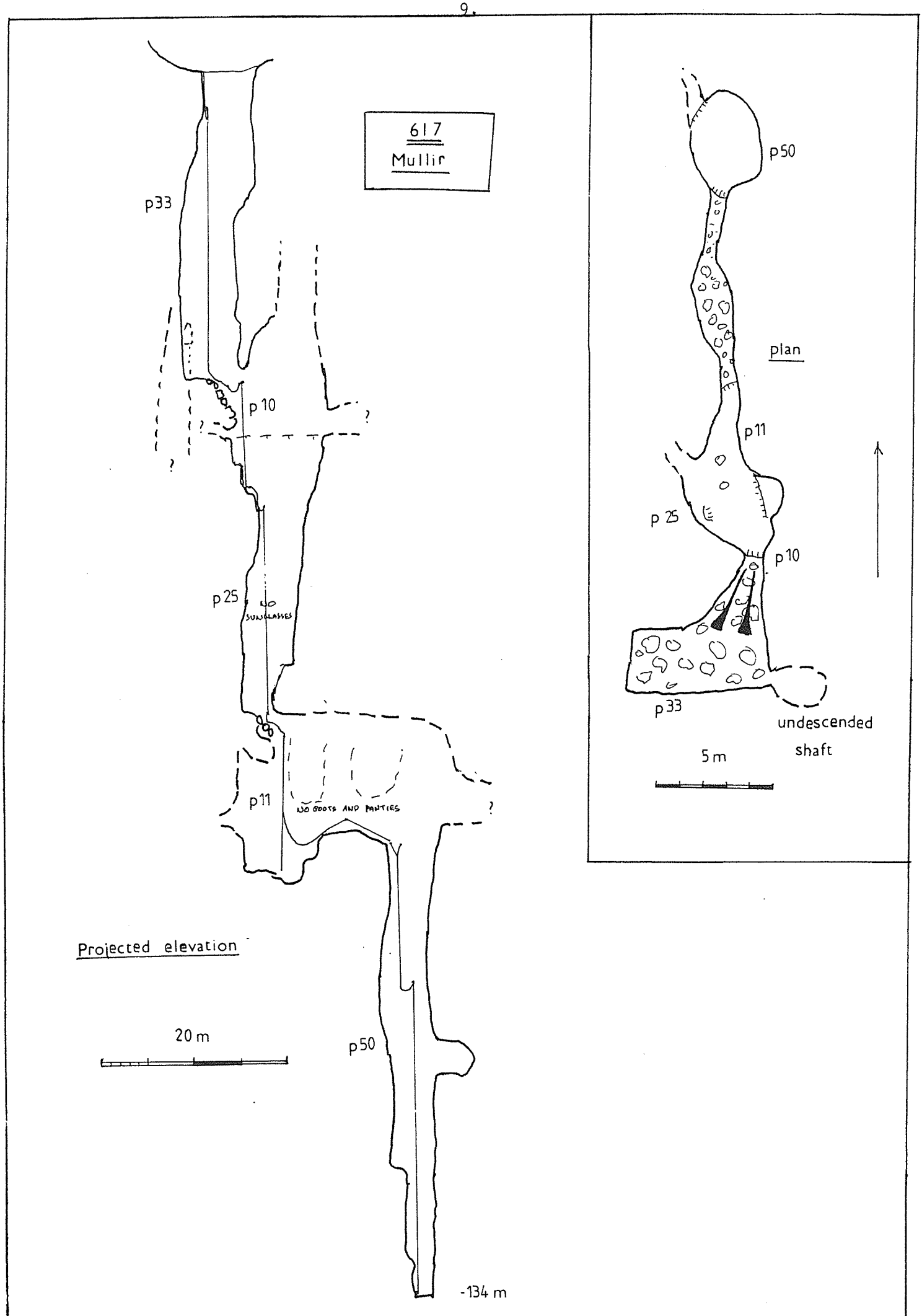
CUEVA LAS COSAS (84).
We entered the caves and were impressed by the large chamber and formations, 20m or so. We found no ways on so took some photos. Graham, Ashleigh, Rob and Steve.

Aug 3rd. MULLIR. Andy, Ali, Jane and Eliot.
We went to a promising area, little covered, in which Spanish cavers had explored a hole (Sima Levantada) to a depth of -210m. (ref Bolletin Cantabro de Espeleologia No.6 Dec 1985 p.54-5). This cave, marked M-25, is 20m ESE of 617, our aim, a shaft descended in 1986 by Phil Pappard down to a pitch blocked by boulders. We had intended to go back in 1988, but were side-tracked by the re-discovery of Cave of the Wild Horses.

After the awkward walk in, we located a number of new holes:
756. 15m shaft, choked, freeclimable, 5m diameter.
757. Shaft, about 10m, undescended, covered with rocks.
758. Shaft, about 30m+, undescended, looks good, near 617 and M-25.
760. 10m shaft, undescended. 3 shafts on rift line nearby.
Andy rigged 617 down to the previous bottom (he placed several bolts, missing those already placed as he was wearing his sunglasses!).He then cleared the boulders, allowing the next pitch (18m, awkward and tight at the top) to be descended to a depth of -90m. This pitch ends in a blind chamber, but a climb up or a swing through a constriction part way up the pitch leads into a rift passage with a good draught, which led to another big pitch.

Aug 4th. MULLIR. Andy, Ali, Jane,Eliot.
The new pitch in 617 was partly descended, but a late start soon forced a retreat. Eliot forgot his boots!

Aug 5th. MULLIR. Andy, Ali, Jane, Eliot.


617
Mullir
p33
p10
p25
SUNGLASSES
p11
NO BOOTS AND PANTIES
p50
-134 m
Projected elevation
20 m
p50
plan
p11
p25
p10
p33
undescended
shaft
5 m

The 50m pitch was bottomed, giving a depth of 134m, at a shallow muddy pool. The draught was lost; there are a number of possible leads for next year: a passage across the top of the 5th pitch, and traverses on the second pitch, both need bolting. Also a shaft entered by climbing up into a window at the base of the first pitch, undescended.
Some other new holes were found:

759. Shaft, c10m.
761. Cave, unexplored.
762. Shaft, c10m plus, unexplored.

Aug 6th. VALLINE (or Valley Entrance). Juan, Wingnut, Andy, Ali, Gilly, Jane, Andy Hall.
A photo trip to Swirl Chamber, two-thirds of the way in. A large entrance chamber leads to the break through, a short dug crawl. Shortly beyond a ladder pitch of about 10m drops into the start of the big passages. Long sections of large passages, small passage, climbs, and ladder pitches of about 10m, 20m, and 8m were covered. The survey had shown a passage from below the last pitch was close to surface; a smoke test the following day was highly successful, enabling a new entrance (Lost Pot) to be easily opened giving rapid progress to the end of the cave for next year.

Photos were taken of the huge Swirl Chamber and other large passages near it, formations climbs, and pitches.

Aug 7th. TOAD IN THE HOLE (258). Andy, Jane, Ali, Gilly, Eliot.
We rigged the cave through the entrance series, along the awkward Chocolate Slice crawl, to the 4th pitch (12m). We had a look at a number of digs and crawls.

Aug 8th. 693. Ali.
Ali found this shaft in August 1988, described as a 10m draughting shaft, undescended. Today he returned and found that a fire had burnt off vegetation revealing a crawl through brambles to a chamber at the foot of the shaft. A number of holes off didn't seem to go anywhere, but then he found a short crawl at the back, leading to a 20cm square window into the top of a shaft, estimated at 50m.

He then joined Juan, Paul Stacey, and others who were waiting for a smoke test from the end of Cocoa series in Toad- hoping for a second new entrance to a cave in two days! Unfortunately this was not to be; only traces of smoke appeared, from 685 (dug by Bob Cawthorne last year), unlike the billowing choking masses which appeared at Lost Pot. A number of other draughting digs were carried out, which might make an easier connection. Ali found and descended a strongly draughting hole down the valley from 685, obviously dug by persons unknown. This tight hole led to an awkward constriction about 10m in. We later found that Pedro was responsible, and there were no Pirates in Matienzo!

TOAD. Andy, Jane, Jim Davies, Gilly, Eliot.
The aim of this trip was to push and survey the far reaches of Toad in the Hole, continuing on from the 1988 limit of exploration. The known cave ended at a small rift which emerges in the side of a large sand floored passage. The right hand branch when surveyed turned out to be a rift doubling back above the entrance passage, while the left hand passage after about som ended with a series of small draughting rifts, opening out into a large boulder filled chamber. A small side passage led to a shaft of 40m plus, undescended. The boulder filled chamber ends in a draughting rift, with many unexplored side passages still to be explored. There are many leads here for next year.

Aug 9th. Pedro's Dig (763). Andy, Ali, Jane.
Ali and Andy enlarged the constriction, enabling Andy to pass it, leading to a small chamber with a hole in the floor giving the draught. He managed to block this in attempting to clear some rocks covering the top.

We found another draughting shakehole up the hill to the south and dug it for a while, and also several other holes between this and Arenal.

Aug 10th. TOAD. Andy Hall, Jane, Anne, Ali.
A photo trip. We managed to lose the way in the Lost Series. We covered the cave from there back to the rope traverse, and into the Cocoa Series.

TOAD. Terry, Sam, Steve, Eliot, Gilly.
Looking at side passages either side of the 12m pitch. A 30m descent into a vertical 'pillar and stall' maze, still going, was made.

763. Andy, Jim Davies.
The Bosch was used to place bolts to remove boulders from the hole at the end- some

just fell apart! Some debris remains to be cleared.

TOAD. Andy, Jim.
The traverse just inside the entrance was crossed to some passage, and the huge chamber reached by a side passage between the second and third pitches was investigated. This area is poorly and incompletely surveyed and needs a further look.

Aug 11th. CUEVA DEL AGUA. Andy, Jane, Ali.
A hangover/still drunk (for the latter two) trip, following the Donkey Dinner.
To the extension over the cascades, half way in. Andy climbed into the extension and up an awkward 5m climb to a sandy chamber. A short dig led him to about 50m of fair sized fossil passage, containing excellent formations. The floor was covered in white snail shells, many calcited in, so he called the discovery Snail Chamber. The sound of the river could be heard through a hole in the floor, but all passages ended at stal chokes. One passage leading into virgin territory is draughting.
An oxbow (unsurveyed) was climbed into on the other side of the river, a short way upsteam of the discovery.

693. Ali and Jane.
The eyehole was enlarged with a lumphammer, untill the head flew off down the pitch!

763. Andy, Rob, Ashleigh.
Removed some more debris from the dig.

764.
A hole in the edge of the field below 763 was found by Andy. Andy and Ashleigh explored it, finding 100m or so of mostly crawling passage. A short entrance passage drops into a stream passage, dry at the time but which obviously floods to the roof in normal conditions. This was left still going both up and down stream. It probably takes water from the Toad area, perhaps to Arenal. The entrance is thought to issue water in wet conditions, being an overflow. Andy got very excited, and named it Wet Dream Stream.

Aug 12th. 764. Andy, Ali, Jim Davies, Lank Mills, Rob, Ashleigh.
Surveyed the cave. The ends were pushed a short distance, both ending in constrictions. This cave could make an important link and gives new information on the hydrology of the area, but it is horrible and the flood danger is great.

Surface survey. Ali, Ashleigh, Toby and Jane, Terry.
To locate 763, 764, and Cueva de Calleja Rebollo (38).

CUEVA DE CALLEJA REBOLLO. Lank, Jim, Ali, Terry, Toby and Jane.
This is a large fossil passage 70m long, which was used as a refuge in the Spanish Civil War- of which various relics remain. At the end Jim found a draughting dig, which was pushed into about 30m of rift passage. The cave was surveyed. This cave is probably related to Toad, and is close to the entrance.

693. Andy and Ali.
Ali got down to about 10m in the new pitch, but rigging was very awkward- rock at the top too soft to bolt, and below it was shattered and full of sharp projecting fossils. Several bolts for deviations were managed, but there were still rub points so we decided to return with the Bosch to push it.

TOAD. Jane, Eliot and Gilly.
Climbed into and surveyed Dodo Grotto- very pretty, but Toby says he has been there before- but he didn't survey it. Detackled the inner part of the cave.

RIAÑO AREA. Jimmy Rattery(BPC), Graham Hart, Lynn Beattie, Mike Heard.
We were looking for an easier entrance into Uzueka- at present it takes three hours of crawling and climbing to reach Shatter Chamber. We set off about midday and investigated about half a dozen holes- 639, 640, 641, 642 etc.
640 proved to be quite interesting, Jimmy and Mike investigated this T-shaped cave, but the trip was called off after: a) weird noises were heard?? Koala Bears and claw marks were found, and b) the cave didn't appear to go, We spent some time investigating various other holes and scouring the area for draughting holes etc., with not much success.
639 proved to be more successful. Jimmy and Lynn investigated the entrance pitch, whilst Mike and I investigated the twin 8m shafts. The rock was very wet and chossy and the pot rifted in all directions mostly ending in mud chokes.
Not a very productive day, but an interesting one and the area definitely has potential.

Aug 13th.

CUEVA DE CARCAVEUSO (81). Jim, Jane, toby and Jane Chilton.

A hangover trip with a difference. Normal? route to Smack Choke, and (without looking at a survey) Stranglewanking Passage. Ended at a ?terminal boulder choke. The link between Uzueka and Llueva is i think a small passage going off to the left hand side, to a small chamber with a draughting calcited choke. We surveyed from here to Smack for accuracy.

CUEVA DEL AGUA. Andy, Ali.

The Snail Chamber was surveyed, and then the rest of the 1988 extension was looked at. We then climbed up the Calcite Ramp, below the cascades- a long way up over amazing multi-coloured flowstone cascades 10m wide, with equally amazing stal, and an exceptionally amazing gour pool, 10m deep, near the top- well worth the awkward climb up!

Aug 14th

693- Ali.

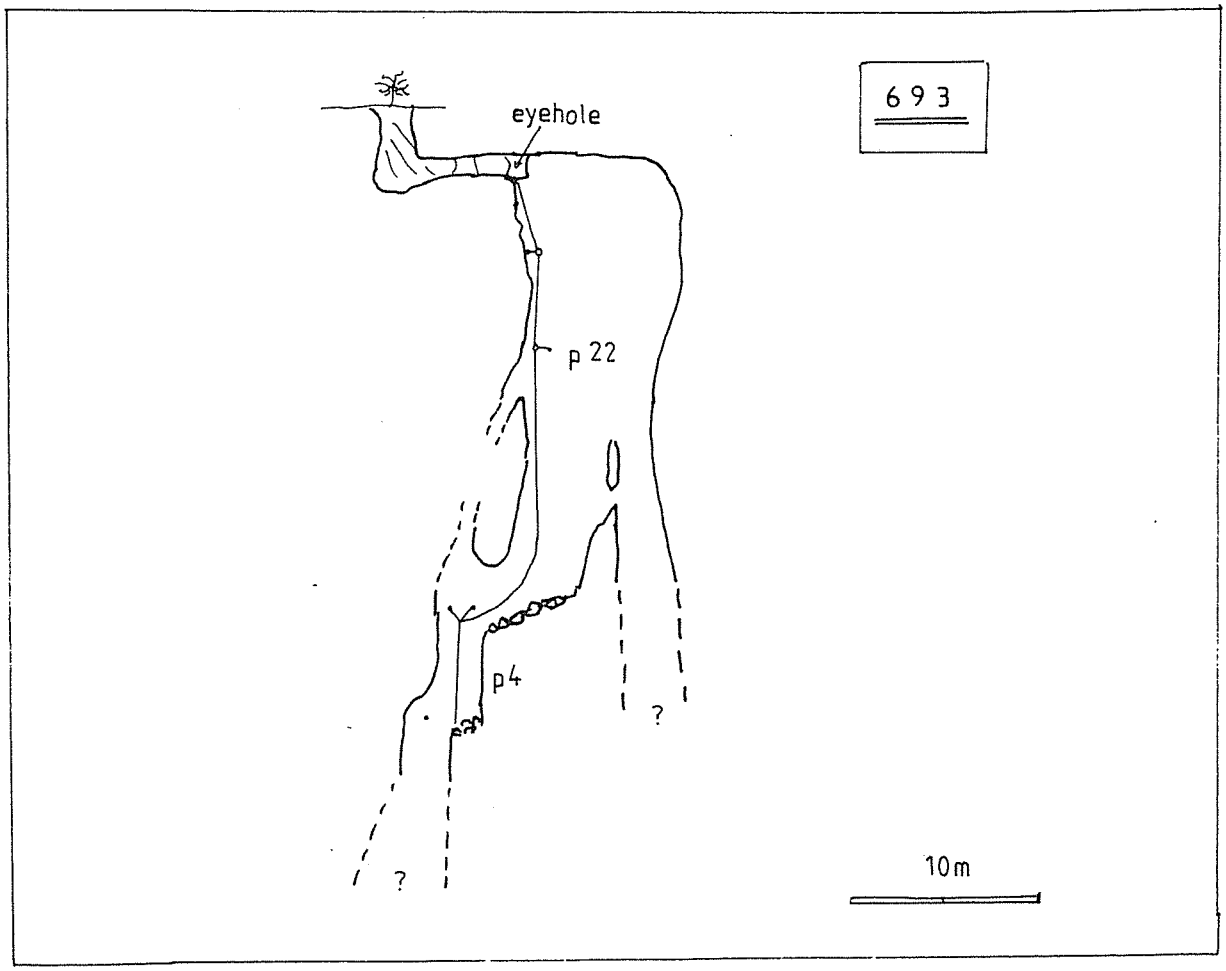
Due to the lack of personel willing to detackle Toad, Ali struggled up the hill with two huge sacks and the Bosch drill to try and get a bit further. The head of a 5-6 second drop at -33 m was reached and a bolt placed, but with a tight loose take-off, this was not descended. The manky rock again made rigging difficult. There is a deepish undescended shaft at the other end of the entrance shaft.

This is over the Lost Series in Toad, which contains some big avens. The depth to the main passage would be -100m.

Ali then joined the others derigging Toad.

TOAD. Andy, Jane, Gilly, Eliot.

Detackled the whole cave, and found about 60m of new passage.




Alasdair Neill, Andy Bennett, Jane Evans, Graham Hart, Ashleigh Phillips.

# PLYMOUTH CAVING GROUP

## RECEIPTS AND PAYMENTS ACCOUNT

| For the year ended 30th NOVEMBER, | 1988 | 1987 |
|---|---|---|
| Cash in Hand 1st December, 1987 | 98.91 | .19 |
| Balance with Halifax Building Society 1st December, 1987 | 177.45 | 221.26 |
| Subscriptions Received | 126.40 | 75.25 |
| Sales of Equipment and T. Shirts | 70.00 | - |
| Donations and Fund Raising | 115.00 | 87.40 |
| Meeting and Tackle Fees | 74.60 | 234.00 |
| Plymouth Education Committee Grant | 185.00 | 450.00 |
| Building Society Interest | 9.84 | 10.48 |
| | £ 857.20 | £1,078.58 |
| Postages | 20.88 | 17.40 |
| Printing, Stationery and Newsletters | 31.96 | 82.81 |
| Equipment and T. Shirts | 334.57 | 300.93 |
| Club Room Maintenance | 74.40 | 188.66 |
| Library Stock | 70.68 | 50.31 |
| Subscriptions | 48.50 | 29.50 |
| Insurance | 19.50 | 16.00 |
| Accountancy Fee | 40.25 | 34.50 |
| Training Fee | - | 32.50 |
| Sundry Expenses | 31.10 | 49.61 |
| Cash in Hand 30th November, 1988 | 9.07 | 98.91 |
| Balance with Halifax Building Society 30th November, 1988 | 176.29 | 177.45 |
| | £ 857.20 | £1,078.58 |

We have prepared the foregoing Receipts and Payments Account without carrying out an audit from the books and records and from information received and certify that they are in accordance therewith and show the true position to the best of our knowledge.

GEOFFREY L. JOHNSON & CO.,
Chartered Accountants.

1, Wedgwood Villas,
Ford Park, Plymouth.