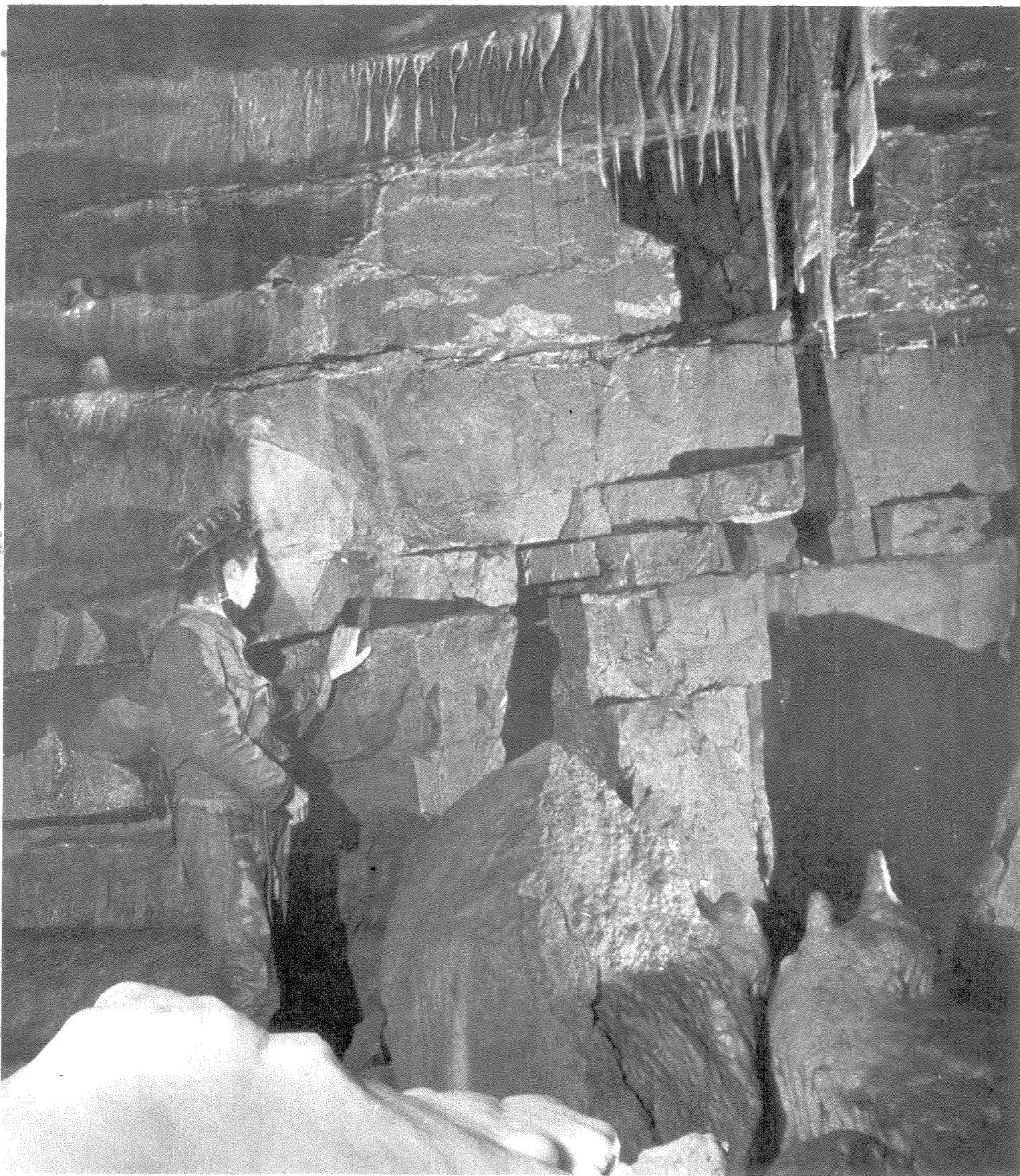


**SOUTH WALES
CAVING CLUB**

NEWSLETTER



South Wales Caving Club

NEWSLETTER

No.66

May 1970

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Newsletter free to members, 4/- outside subscription.

Cover photograph - "A Corner of Gnome Passage, Ogof Ffynnon Ddu"
by Ken Maddocks.

Officers & Committee '70-'71

PRESIDENT	Lewis Railton.
VICE PRESIDENTS	Dr. D. A. Basset L. A. Hawes Miss A. M. A. Hazelton D. W. Jenkins.
HONORARY MEMBERS	Dr. E. Aslett, Mr. & Mrs. J. Barrows, C. Freeman, Brig. E. A. Glennie, P. I. W. Harvey, Mrs. P. Harvey, A. Hill, Z. Pepionic, Dr. A. C. Price, Mrs. G. Price.
CHAIRMAN	Mick Day, 152, Roxeth Green Avenue, South Harrow, Middlesex.
HON. SECRETARY	Mary Galpin, 6, Trinity Rise, Stafford.
HON. TREASURER	Ken Maddocks, 9, Green Close, Mayals, Swansea, Glam.
HON. EDITOR	Robert Radcliffe, 10, Brynfield Close, Newton, Mumbles, Swansea, Glam.
HON. RECORDS OFFICER	Jem Rowland.
HON. EQUIPMENT OFFICER	Peter Harvey.
HON. CAVE RESCUE ORGANISER	Dr. Robin Williams.
HON. WARDEN	Laurie Galpin.
HON. ASSISTANT SECRETARY	Pete Cardy.
COMMITTEE	Frank Baguley Mike Coburn Eric Inson.

Annual General Meeting 1970

SECRETARY'S REPORT

The major accomplishment of the Club this year has been the publication of the Ogof Ffynnon Ddu survey. Only Paddy O'Reilly and his helpers are fully aware of the vast amount of work they put into its production, in digging, exploring, surveying, drawing and writing. They are to be congratulated on a very fine survey. On the completion of the survey - will it ever be completed? - they were able to establish Ogof Ffynnon Ddu as the deepest and longest cave system in Britain.

Work is still going on in Ogof Ffynnon Ddu in an attempt to make a dry connection of II with I, and also to extend III. Several short lengths of passage have been found during the last year.

Digging has been continued in Dan yr Ogof, the major achievement there probably being the alternative route from II to I, not via the Long Crawl, but by an even longer crawl! The evidence of visitors to this part in 1937 shows how nearly Dan yr Ogof II was entered then. Earlier in the year a large chamber,, on a similar scale to the Abyss, was entered from Dali's Delight, and subsequently connected back to the Abyss by another route. Dan yr Ogof still poses a great problem if any accident occurs there, and efforts have been made to locate, using radio checks, a possible dig on the surface so as to enter it beyond the Long Crawl. The surveying work in Dan yr Ogof has now been in progress for 2½ years and all the major passages have been completed to grade 6D. A few smaller passages are outstanding, and will be surveyed to grade 4D. It is hoped to complete this by Whitsuntide.

There have been some dye tests made on the Dan yr Ogof side and a dig started in an attempt to find a top entrance to Dan yr Ogof II.

Other digs have taken place in the Mellte valley, in Pant Mawr pothole. in Llanrhidian, in the Caswell valley, at Ogof Esgyd near the Patti cottages, and at Ogof Cynnes and other sites on Llangynidr mountain. Electric light has been made available at Ogof yr Esgryn for the archaeological dig to be recommenced.

Some hydrological work has been done in the area.

Some diving has been done, but mainly by non-members, in Dan yr Ogof II at the end of the Highway and at the sump in Ogof Ffynnon Ddu I.

A radio check was made earlier in the year to locate the stream in Cwm Dwr Jama as a possible water supply in the event of ours failing.

A small cave was exposed on the quarry face and has been visited.

With the popularity of Ogof Ffynnon Ddu II it has been found that some cavers have needed to put arrows on the walls. We hope that members will try to prevent this happening.

Great concern has been felt over the test drilling which Hobbs' Quarry has been carrying out behind the HQ. The Committee is well aware of the implications and Roger Smith will be reporting on this later in the meeting.

We were sad to accept the resignation from the Committee of John Osborne and Colin Fairbairn on their leaving the country to work abroad. We wish them well in their new lives. Noel Christopher, Mick Day, Ken Maddocks and Robert Radcliffe were all co-opted onto the Committee and Carl Ryan was co-opted as assistant secretary. He has a difficult job in obtaining leaders for Ogof Ffynnon Ddu I for visiting clubs and whilst we are grateful to those members who help out with leading, Carl's job would be made easier if members could reply to his queries more quickly.

Twelve new members were accepted during the year, also two more with effect from March 1st. Six members failed to renew their subscriptions.

We were sorry to hear of the deaths of two honorary members, Pop Powell and Gerard Platten.

An E. G. M. was held in June. It was very poorly attended.

We were pleased to honour Aubrey Glennie on his 80th birthday and he was presented with a copy of the 21st Anniversary publication and a framed photograph of the Columns in Ogof Ffynnon Ddu II, taken by Peter Harvey.

The duty officer system is working well, but I would be glad to have more volunteers. They are particularly useful in the collection of hut fees.

The Club rules have been revised; in fact reduced.

The telephone has now been placed on the G.P.O. emergency repair service list. Any faults reported will now be dealt with more quickly than previously.

Several slide shows have been held at the HQ and at Ty Mawr, all very successful and enjoyable. John Osborne produced a song-book early in the year. Bill Little donated a bandurette addressing machine which has helped to lighten the secretarial work in addressing envelopes.

We have sent representatives to three dinners held by other clubs.

We have been invited to be hosts for the C.R.G. meeting on June 27th, 1970. The meeting will be held here, at the Abercrave Welfare Centre. Papers will be read on 'Factors influencing cave development on the North Crop of the South Wales Coalfield' by Kieth Ball, and on 'Geology and geomorphology of the Dan yr Ogof cave system' by Alan Coase and Dick Arculus. The Committee hopes that members will support this meeting and that some of you will volunteer to guide parties around the local caves. On the Sunday Ogof yr Esgryn will be floodlit and Mr. Mason will give a short talk in-situ on the work carried out there, and future prospects in the neighbouring caves.

The National Caving Association was finally formed at the meeting of

SOUTH WALES CAVING CLUB

Statement of Finances at 28th February 1970

<u>CAPITAL ASSETS</u>				£	s	d	
Club Premises 1-10 Powell St. (Cost)				200	0	0	
Garage (Cost)				15	0	0	
Duplicator (Written down value)				4	5	0	
Equipment etc. (Written down value)				350	15	0	
 <u>MONETARY ASSETS</u>							
	£	s	d		£	s	d
Cash at 28-2-69	624	19	5	Current A/C at 28-2-70	490	7	6
Debts Outstanding	279	17	0+	Less Uncleared Cheques	33	3	8-
	904	16	5	Less C.R.O. Credit	10	10	9-
Add Income 1969/70	721	19	4+	Net Cash at Bank	446	13	1
	1626	15	9	Cash in Hand	46	18	6+
Subt. Exp. 69/70	655	3	3-	Deposit A/C	397	5	11+
Assets at 28-2-70	971	12	6	Debts Outstanding	80	15	0+
					971	12	6
 Composed of:				 Composed of:			
C.R.O. Provision	150	0	0	Cash	890	17	6
HQ Repairs Fund	700	0	0	Debts Unpaid	80	15	0
Surplus	121	12	6		971	12	6
	971	12	6				

SOUTH WALES CAVE RESCUE ORGANISATION

	£	s	d		£	s	d
Cash at 28-2-69	0	0	0				
Income 1969/70	32	9	9+				
	32	9	9				
Expenditure 69/70	21	19	0-	Credit at 28-2-70	10	10	9
	10	10	9				

Statement of Income and Expenditure for the Year Ending 28th February 1970.

<u>EXPENDITURE</u>				<u>INCOME</u>			
Misc. Purchases	21	19	0	Donations	32	9	9

Eric Inson

WARDEN'S REPORT

The job of warden, as I see it, is divided into a number of aspects:

1. Making sure that there is an adequate supply of consumable items, such as washing up liquid, vim, scouring pads, toilet paper, calor gas, coal, electric light bulbs, cups and plates.
2. Arranging for the upkeep and provision of facilities for the comfort and hygiene of users of the HQ and facilities for them to use before and after caving, (i.e. changing rooms, washing facilities, battery charging room), cooking and eating facilities, sleeping accommodation, i.e. beds, mattresses and storage space etc. and
3. The upkeep of and repairs, renovations and improvements to the structure of the HQ itself.

With regard to 1. it has, I hope, been possible this year for any user to take it for granted that there has always been a supply of the consumable items and I would like to hear of any additions to the list of those that are available, (presuming that I am again in office over the coming year).

In the provision of facilities section I'll compare now, with then. Sleeping accommodation has not noticeably increased although the downstairs front of No. 10 has four beds in it and I have 10 mattresses waiting to come down. Washing facilities have not been altered and are still in the same difficult to clean, filthy looking condition. We only have two toilets still. The washing up kitchen has had the addition of some shelves, storage space for gas cylinders, together with some paint and now the doorway to the washing kitchen has been widened to make virtually one room. The cooking slab and its surrounds are still as grease laden as ever but the addition of double glazing and a ventilator has improved conditions for the slaves over hot stoves people. The dining room and its annexe are now one room by virtue of another railway sleeper lintel and the partition forming the passage way, together with the radiators, a decent ceiling and a repaint has made that bit the most comfortable place to be in the HQ in winter. Full use is not being made of the shelves in there intended for members' food-boxes.

The married quarters kitchen has been provided with two washing-up sinks and a cold water supply and has had its cooking facilities improved.

No. 4 is still used as a changing room and we still have no drying room. Members are allowed to put lockable kit boxes in the upstairs front of No. 4. (By the way, I commend the typist who completely retyped my notice regarding the size of boxes allowed. I believe that one regular attending, long-standing member with a landrover is still trying to design a 22'6" x 11'6" x 11'6" box which will fit into a 12' x 12' x 8' room.)

The tackle room has had nothing done to it but the laboratory equipment is now better housed in the upstairs back of No. 3. The rescue depot looks the same but in fact is slightly emptier - spare rescue gear now being housed in upstairs rear of No. 2.

No. 1 workshops have been made into one room with a separate door, giving more room and better working conditions. No. 1 upstairs front is nearly ready for use as a drawing office and electrical, electronics, clean type small work workshop.

That about completes the list of changes or non-changes of general facilities for users.

One or two other things can be included in this section. You will all know that we have had problems with our water supply and an attempt was made to get our own water supply. For a very modest sum a 150 foot 4" hole was bored on the front lawn hoping to hit Cwm Dwr Jama. It missed by about 6 feet apparently - unfortunately it also collapsed about 30 feet down so we couldn't even find the bottom end of it. That matter is now in abeyance for the time being, the council having promised verbally to do something about our existing supply.

Bedroom bulbs have been replaced in the main by very small ones and the charger has been modified to use less juice when up to 20 cells are being charged. Electricity costs us about 7d a unit for every unit.

Now for the last of the three, the section on the upkeep, repairs, renovations, and improvements to the structure.

Prior to the last A.G.M. it was known to a number of members that some serious work would have to be done to stop the place literally falling about our ears, and a lot more members could see obvious glaring defects such as ceilings falling down, water running down inside walls, howling draughts, (not cave-type), etc. etc. A sub-committee was formed with the intention of listing all the jobs necessary and the priority of those jobs, and supervising the carrying out of those jobs. A survey showed that the prime cause of practically all the faults was water - water which got into the structure of the building and caused woodwork to rot. The woodwork which was rotting or had rotted included a roof purlin, various ceiling and floor joists and various window and door frames, as well as things like cupboard shelves and workshop benches.

The survey also showed that the workshop in No. 1 was the worst affected and in fact one of the rocks over the door fell out when the door was shut once, and the upstairs floor joists were hardly attached to the wall at all.

Water has been getting in through the pointing on the chimneys, through odd broken slates, through the pointing on the outside walls and around window and door frames.

It was decided that a devil of a lot of man-hours were going to be needed on the job anyway and that it was going to take anywhere from one to three years or more if certain suggested improvements were to be incorporated in the scheme at the same time. It was decided that a system of working parties was preferable to closing the HQ for caving activities and the committee agreed that no hut fees for those taking part in working parties would be charged as an incentive to work on the HQ for a trial period. Despite extensive publication of the need for work on the HQ, working parties were very poorly supported and the scheme was discontinued. I don't know the figures exactly but as far as I can remember I would think that only about 25 man-days were taken up this way. Considering that it is surely an obligation on the part of every member of a club to take part in essential activities such as the maintenance of a headquarters it doesn't speak very well for the Club as a whole, does it? Now follows a list of what has been done.

The outside front walls of Nos. 1 and 2 and nearly all of No. 3 have been repointed. The downspout has been rehung and a drain channel constructed to take the rain water on to the roadway. The floor joists of the front upstairs of No. 1

have been replaced and supported on a new lintel where the doorway between the front and back room was. The floor of No. 1 front upstairs has been replaced. The ceilings of the upstairs of Nos. 1 and 2 front and rear were removed and the joists replaced where necessary. The partition walls in the attic over Nos. 1 and 2 have been removed, the inside of the roof covered with polythene, extra joists laid over the ceiling joists and that space partially floored. New ceilings have been put up in No. 2 upstairs and the front room of No. 1 upstairs. The rear of No. 1 is ready for a new ceiling, A hatch with a sliding ladder gives access to the attic directly above the stairs and a partition has been built around the stair-well in No. 1 front both upstairs and downstairs, with a door leading to the workshop. New window frames have been put in the front of No. 1 up and down and No. 2 up. The plastering has been partially repaired in the upstairs rooms. The electrical circuits have been rewired throughout No. 1 and upstairs in No. 2, and the upstairs doors have been reframed or rehung. Ventilators have been fitted into the chimneys of No. 1 front and No. 2 rear upstairs, and a lintel over a cupboard recess by the chimney breast in No. 1 upstairs front has been replaced. The spare rescue stores are now in No. 2 upstairs rear. Nothing has been done to the rescue depot, nor to the downstairs of No. 3. The upstairs rear of No. 3 has been decorated and is at present used as the laboratory.

Nothing has been done to No. 4, but the garden wall has been partially rebuilt.

No. 5 is the married quarters. A cold water supply feeding the two stainless steel sinks has been fitted together with the associated drains, and calor gas cooking equipment resited and a gas pipeline run from the calor bottles in No. 6. In the bedrooms another double bed has been installed and the new ceiling in the rear room has been renailed. This was necessary because whoever put it up originally used the wrong nails and nowhere near enough of them anyway. Polythene has been put under the roof above here.

In No. 6, the kitchen has had shelving fitted and the wiring rerun ready for an asbestos ceiling and has had some pretty paint spread around. The doorway between the front and rear rooms was widened and a large lintel inserted and the pillars rendered. A ventilator has been put through to the chimney (on the second attempt).

The dining room suffered a violent attack when it had an archway made out of a doorway, a new ceiling in both rooms, a complete redecoration, a dozen shelves fitted and a partition with barred windows fitted to leave a passageway between the front door and the hall where the telephone is.

There has been nothing done to the upstairs rooms in the hostel block at all this year, but the outside doorway in No. 10 has been blocked up although it still requires pointing. The stairwell in No. 10 downstairs has been partitioned off.

Practically all of the buildings' window frames outside have been scraped, primed where necessary, undercoated and topcoated with paint.

That about finishes the work that has been done.

You will have noticed that the hostel end has had very little attention although a great deal needs to be done. As I said earlier it was a matter of priority to do the workshops first. That part was actually falling down - so

far the only things to fall down in the hostel end are ceilings - even on which was replaced prior to this year, - but that is not to say that parts of this end will not fall down eventually unless something is done to it. The same process is in operation there as was in No. 1 - water is getting in. We have already treated the ends of the floor joists in the ceiling of the large common room for damp rot, because they were actually rotting and there are window frames which are rotten.

Some members have complained about the lack of attention to the hostel end. Justifiably with regard to the work done there, but completely irrelevant as far as the support I have had in doing any work at all on the cottages from the majority of those who use the place regularly. I have even known regular users laughing at the one or two of us who have been sitting on a scaffold chiselling at pointing. Well we are laughing now. No. 1 is the driest part of the building when the weather is damp and it is now up to you whether we start on the pointing on No. 10 next or complete the job on No. 1 by doing the pointing on the end wall there. If I get the support that is needed we can do to No. 10 what has been done to No. 1.

Over £200 has been spent and over half of the stuff that was bought is still waiting to be used. Polythene and lathing for under the roof, replacement joists, (all treated with anti-rot stuff), floor boarding, ceiling boarding, sand, cement, asbestos, paint, wash-basins, water piping, toilets, etc. etc. and you are the people who should be using the stuff.

I am not going to itemise here what still needs doing. It has been done before by me and if you think about it you will realise for yourself what is required, but if anyone still isn't sure come and see me tomorrow and I'll show you, - but don't blame me if your sleeping bag goes mouldy overnight. It will be your own fault.

One or two other matters I should report on. It was the intention to apply for a grant towards the cost of making a changing room, drying room and washroom complex in Nos. 3 and 4. We haven't got very far because we have been unable to get an estimate for a heating system but this is in hand and things are moving again. But it must be understood that you will have to supply most of the labour.

The sub-committee has ceased to be necessary since there hasn't been the labour to supervise and instruct and it is possible one person is feeling slighted because he was asked to serve on the sub-committee and then was not called upon to do anything, although he has done some work of his own accord.

The duty officer system has worked well on the whole although I am getting increasingly annoyed by being asked to stand in for a duty officer since I shall be around all day anyway.

It was decided that we should lock up a lot of the kit - this hasn't come about as yet because there has been too much else to do. As it happens the warning has had a little effect, but generally speaking members do not take good care of the kit and tools they use, and the decision to lock stuff up still stands.

I would like to thank sincerely Frank Baguley for the excellent support, work and advice he has given me during the past year. He has done far more

for me, and therefore for you, than have any other half-dozen of you. I would also like to mention Bill Little, Rod Stewart, Noel Christopher, Peter Harvey, Dot and Idris Williams, Mick and Judy Day, Charles Freeman, who, with others whose names I can't remember, have helped with the work. And if anyone thinks their names should have been mentioned as well please accept my apology for not giving them.

During the first part of the year I was for ever asking people to help when I saw them down at Penwyllt. A few did - some flatly refused. During the second part I tried a different approach by just working and hoping people would offer to help. Again a few did. If you all would realise how urgently some of the work is and determine to spend only a couple of weekends a year on the HQ we could break the back of the job this year. Otherwise I shall just potter along in my own sweet way with the welcome help of the very few.

Thankyou.

Laurie Galpin

EQUIPMENT OFFICER'S REPORT

1. Introduction. There is very little constructive work to report upon for this year because of illness and the pressure of more essential work on the cottage structure and room improvements, which work is beginning to reap benefits in the stores, workshops, C.R.O., and cottages, as will be reported upon by the respective officers.

2. Purchases. Pulleys, 'D'- shackles for use on fixed aids in caves, and telephone wire for C.R.O. use have been purchased this year. The rope (polypropylene) purchased at the end of the previous year has been cut up into suitable lengths (60's and 120') and some has been released suitably marked with a swaged copper ferrule. A warning notice has been put with it advising against its use for abseiling. 100' of Ulstron rope has been put into C.R.O.

3. Gifts etc. Useful items have been gratefully received and acknowledged from D. Arculus, J. Bevan, G. Sanders, N. Lloyd, L. Galpin, W. Little and R. Williams.

4. Damage and Losses etc. These have been less this year, but insufficient care is still being taken to book out equipment, and return it in good condition immediately after use. Too often equipment is left outside the cottages and even in caves. Some members have borrowed equipment for use on other club's projects. With increasing costs of the ultimate replacement of these items, this attitude is to be deprecated. The survey equipment has received a lot of use and is sadly in need of replacement if the budget will permit. Five tethers have been found in personal cupboards, and six more have been made. Nearly all the drills have now been broken or are missing, chiefly as a result of work done on personal jobs, non-caving type projects. These have now been replaced twice at a cost of £6 15s a set. It is not intended to replace them until they can be safely stored and used for club projects, as was originally intended when they were first acquired. The same applies to that easily consumable item, the hacksaw blade, they are disposed of at 2/6 a time, the cost of a night's stay! All the small screwdrivers have disappeared, thereby

causing an inconvenience when some electrical or other job is being undertaken. The Committee recommended that only the minimum of tools and equipment be left out for everyday use, and this was conveyed to members in the secretarial notice in June, to which two objections were received. The instruction has not been implemented because it depended upon the cottage renovations and adaption of rooms.

5. Caving Projects. The Ogof Ffynnon Ddu I gate is still giving trouble and will need further modification. The Dan yr Ogof river gate has been recently modified, and the lock on Ogof Ffynnon Ddu II has had to be repaired twice. Telephone cable has been supplied and is being fitted in the Dan yr Ogof show-cave and extensions. The traverse wire in Tunnel cave has been replaced and improved, and the top gate has been suitably treated with a draught-tracing additive. The traverse wires in Ogof Ffynnon Ddu I have been regularly checked and corrected. Original reports on the fixed aids in Dan yr Ogof and Ogof Ffynnon Ddu II and III have been prepared by J. Osborne and N. Christopher, but I am unable to get reports or help from those who use the cave regularly, on the position of new ones or the state of the old ones. It is impossible for one person to do all this alone. Some control of this is advisable in case of an accident and possible claim on the Club or responsible individual. This matter should be well looked into. The key arrangements have been altered for Ogof Ffynnon Ddu I and Dan yr Ogof. The keys for Ogof Ffynnon Ddu I had previously been returned to the Grithig by the late secretary, but an arrangement has now been made by the present secretary whereby one key is held at the Club under personal control. Similarly the Dan yr Ogof key which has been recalled, is now available (in the closed season chiefly) at the Club, again under strict personal control of one of the following, N. Christopher, W. Little, L. Galpin, R. Radcliffe, the secretary or myself.

The lamps have been used fairly regularly by official organised parties or special visitors. Unfortunately, some members have taken them and returned them uncharged. This resulted in two parties having to turn back. Quite apart from the reflection on the Club's services this could have resulted in a C.R.O. search or rescue. It is a sad reflection on some members' attitude to this service. It is not intended to be a substitute means of convenient lighting for those who cannot bother to come caving fully prepared with their own lights.

6. Expedition Equipment. Loans of this equipment have been made for two overseas, some British mining and one non-caving expedition. 200' of rope was donated to it by the Umbria expedition. When the appropriate cottage alterations have been completed, it is intended to re-organise the layout of this equipment thereby releasing one room for other purposes(?). It continues to provide the basis and stimulus for members contemplating expeditions, and has served its purpose well over the past six years, despite rumours to the contrary. Every bona-fide application has been considered by the Committee on my advice, or by myself in urgent cases, and granted. I see no reason why it should not continue to be so administered, with the accent on the last syllable!

A most recent application from Prof. Tratman for assistance on an archeological and palaeontological excavation has been favourably considered by the Committee, and I am working on the plans for the project at present.

7. H.Q. Projects. Assistance has been given to work on the following projects:- No. 1 workshops and electrical laboratory, No. 2 C.R.O. stores and

front room, No. 3 laboratory, water supply to the married quarters, the unsuccessful borehole, pointing Nos. 1, 2 and 3, floors in Nos. 1 and 6, ceilings in Nos. 1 and 2, roof insulation of Nos. 1 and 2, double glazing in several rooms, shelving in the kitchen and dining room and associated work, attics and access ladder to Nos. 1 and 2, new windows and lintels etc. in several rooms, and work on a particularly extensive attack of dry rot. All this work will be reported in more detail by the Cottage Warden.

8. Administration. I have attended every Committee meeting, and given full support to the chief officers, which has been reciprocated, as well as assisting on the financial budget and valuation. Assistance has been given on duties such as Ogof Ffynnon Ddu leaders, and duty officer rota, and to the C.R.O. by deputising for him at Cambrian Caving Conference and later, Council, and subsequent representation at the National Caving Council meeting, together with other members of the Committee, where our views were given and expressed in no uncertain manner.

Advice has been sought from other clubs especially Universities on equipment, and this has been fully and freely given, and gratefully accepted.

9. Conclusion. I do appreciate the appeal by the Hon. Secretary in her circular; such appeals have been made in the past, with very little effect. There needs to be an improved outlook in Club spirit, with the emphasis on Club needs rather than individual needs, though not to the exclusion of these, before such appeals will have their desired effect, for after all, the equipment costs you money, and is reflected in increased charges. Quite apart from the normal replacements due to fair wear and tear, at rapidly increasing costs (" the price of ferrules has gone up three times the cost in the past year "), losses due to negligent damage, and lack of care, are only going to add to these ever-increasing costs. The solution is up to everyone to help in this matter to keep unnecessary expenditure down, and prevent unnecessary risks, also.

I would like to register my thanks for assistance given by the following, as usual, L. Galpin, M. Galpin, W. Little, G. Sanders, P. Harvey, R. Smith, R. Stewart, G. Bray, I. Homes and others who I may have inadvertantly left out.

Thank YOU for your continued support.

Frank Baguley

EDITOR'S REPORT

This year a considerable increase in the cost of the newsletter, (up to £55 each for the first two issues), required a policy reassessment by the Committee, who decided to continue with the general format, but to produce the newsletter ourselves again. The pre- A.G.M. issue was accordingly duplicated by a photographic process with Paddy O'Reilly donating the covers, for a cost in the region of £25. At the A.G.M., support was evident for the continued issuing of a newsletter, as opposed to a newsheet, without excluding the production of an occasional journal if the appropriate material was available.

I am indebted for the advice and practical assistance I have received

during the year, particularly from Paddy, Roger Smith and Robin Williams, and I apologise to all members for what you have suffered from me.

Dick Arculus

RECORDS OFFICER'S REPORT

Although the exodus of some members of the Club to various parts of the world has perhaps meant a loss to caving in this area, the library on the other hand has benefitted greatly. Several people, as well as these, have passed on their unwanted caving journals to us, some being duplicates of ones we already have; others more valuable. In addition we have received copies of work donated by their authors for which we are very grateful. We are also pleased to have a comprehensive set of 35mm slides of Dan yr Ogof given by Alan Coase, and I hope it will be possible in the future to build up a collection from other caves particularly Ogof Ffynnon Ddu.

We have established one new exchange of newsletters - with the Royal Forest of Dean Caving Club. Some individuals and clubs have elected to join our subscription scheme for buying our newsletters at a cost of 4/- each, and the income received from this has exceeded the amount I have spent on purchasing books and journals for this year. The other item of expense was for binding our newsletters, numbers 51 - 62, and a volume of U.B.S.S. journals, which amounted to £4. 10. 0. The cost of binding in Swansea has nearly doubled in price and I'm hoping they can be done at a lower price somewhere else in future.

The library has been used more extensively this year than in my previous two years of office but by a consistent dozen or so people. Next year I am hoping that at least half the records can be suitably housed at the Club. As the volume of material grows it becomes increasingly difficult for one person to keep everything without storing it in some completely inaccessible place.

Clare Harvey

Matters Arising from the AGM

1. The meeting was generally in favour of keeping the old format of the newsletter, and that it be published four times a year.
2. Ropes which have been put in place in Ogof Ffynnon Ddu II and III have not been put in by the equipment officer. The Club cannot accept any responsibility for any incidents which might arise from their use. Each party which uses them should inspect them before use.
3. Constitution changes.
 - (1) Item 3(a) was amended according to the proposal made on the A.G.M. agenda.
 - (2) Item 4(a) was amended so that the entrance fee for Junior members is increased to 10/-, other entrance fees remain unchanged and all annual subscriptions are doubled. The meeting also made this change in subscription rate retrospective to March 1st this year, so all members who paid their subscription before the A.G.M. should send the same again to the treasurer, and anyone who has still not paid should note that the subscription is now £2 for full members, £3 for joint members and £1 for junior members.
 - (3) Item 7(b) was amended according to the proposal made on the A.G.M. agenda.

The other proposed changes were not carried.

Will you please amend your copy of the constitution to include these three changes.

4. Conservation of Ogof Ffynnon Ddu. The meeting was unanimously in support of Roger Smith taking any steps necessary to protect the S.S.S.I. areas in the upper Swansea Valley and access to the same.
5. It was agreed that in future officers' reports should be circulated to members prior to the A.G.M.
6. Laurie Galpin asked for any spare spoons which people may have, for the HQ, particularly dessert spoons.

Officers' Notices

A. WARDEN'S NOTICE

Date of Origin 23rd April, 1970

To All members and their friends.

Message Begins:

INFORMATION.

The kitchen - the downstairs back room of No. 6 at Panwylt - is not easy to clean, looks dirty after cleaning, and has several inbuilt inconvenient faults (e.g. pans fall off wobbly, insufficient in number, gas rings; ceiling is falling down).

INTENTION.

The intention is to try and correct all the faults within our capabilities. A 'Recce' operation will take place on the first weekend in July, the 3rd - 5th, to set up temporary cooking arrangements, and to prepare the ground for the 'Assault'. This will start on Friday evening July 10th, continue during that weekend 10th - 12th July, and carry on the following weekend, 17th - 19th July, if required. 'Mopping up' and 'Consolidating' operations will follow the completion of the assault.

The whole operation should be completed by Sunday evening 19th July.

METHOD.

The existing cooking slab will be removed, together with the lower part of the chimney breast, the present ceiling and the food storage shelves. All the walls will be scraped and washed down.

A reinforced concrete cooking slab supported on brick piers will be constructed along the two walls as at present. The walls behind the slab will be rendered and tiled to a height of about a foot above the slab, and the gas piping rerun along the top of the tiles. The slab will be edged with timber and the top surface treated with an 'epoxy' paint.

An asbestos ceiling will be put in and the whole room decorated, and the food storage shelves painted and refitted.

ADMINISTRATION.

All necessary materials and tools will be available including a concrete

mixer. Temporary cooking facilities will be made available and it is expected that food will be supplied and cooked for the workers at a charge of about 18/- each for the weekend, providing this is booked in advance. If more personnel are available than the immediate target requires other targets will be found.

No visiting clubs will be booked in on the weekends involved and normal caving activities will not be curtailed in any way.

INTERCOMMUNICATION.

A notice will be placed on the door of the small common room. Members and freinds wishing to take part are asked to put their names in the appropriate place/s, or communicate direct to the Hon. Warden, to whom any questions or suggestions should be directed.

The dates of the operation are:

Sat.,Sun. 4th, 5th July 1970
Fri. evening
Sat.,Sun. 10th - 12th July 1970
Fri. evening
Sat.,Sun. 17th - 19th July 1970

POINTS TO NOTE.

No restrictions at all will be placed on normal caving activities during the operation and it is to be noted that one day's work and one day's caving during a weekend will be welcomed, but it must be pointed out that in fairness to the cooks the communal catering arrangements are only available to the workers on their days of work.

Although no deposit is asked for in respect of food, unless a cancellation reaches the Warden at least a week in advance, people will be expected to pay for food ordered for them.

A number of jobs on this operation will, of necessity, involve hard manual exercise - dull and uninteresting -, others will be more technical. Unfortunately it will probably be impossible to pick personnel for particular jobs in advance except for cooks, but efforts will be made to cater for individual preferences.

Message ends.

B. TREASURER'S NOTICE

Payment of Annual Subscriptions for the year March 1970 - February 1971

The annual subscriptions for the present year are now due. It was decided at the A.G.M. to ammend the rate and make it retrospective to March 1st, 1970. Please send the appropriate amount, namely:-

Ordinary members	£2
Junior members	£1
Joint members	£3

Payment by Cheque, Postal Order etc.

to: Hon. Treasurer, K. Maddocks, 9 Green Close, Mayals, Swansea.

Payment by Bankers Order

Fill out a form obtainable from Hon. Treasurer or E. G. Inson,
42 Torrens Drive, Lakeside, Cardiff.

C. EDITOR'S NOTICE

The newsletter over the last few years has reached a very high standard, which I hope to maintain. The production this year will be by members of the Club, in order to keep down the costs. The purpose of this notice is to appeal to you to keep us busy by writing articles on anything that you think may be of interest and also to record anything that you try to achieve in the logbook. This is of utmost importance.

It is intended to produce an 'Occasional Publication' when sufficient material has been collected. The first of these may be in the form of a '25th Anniversary Publication'. This will enable longer articles to be published (e.g. scientific articles that are too lengthy for the newsletter and also articles that would be of interest to the caving world in general rather than members of the Club only).

Meanwhile, please remember, the newsletter is produced for YOU with Your money, so if you have any suggestions or constructive criticisms, they will be welcomed.

THE BRECON 25,000'S WALK.

Contrary to expectation several members took up the challenge in the last newsletter and actually took part in the walk. The weather was excellent, a cold westerly wind kept temperatures down, but the sun shone and visibility was perfect, apart from the top of Pen y Fan which was shrouded in low cloud.

From the start Eric Inson set the pace, and seemed all set to win until Martin Farr, who set out some 15 minutes behind him, caught him up on Fan Llia. The two returned to the Club together, Martin being declared the winner in a time of $5\frac{1}{4}$ hours. The total distance involved was 18 - 19 miles and a climb of about 5,100 feet. Everyone else who took part arrived safely home, including the ones who organised the walk (even though they climbed an extra mountain thinking it was on the list!).

Competitors: Martin Farr, Eric Inson, Susan and Paddy O'Reilly, Seaton Phillips, Ken Maddocks, Alison Stone, Denis Kemp, Mary Galpin, Clive Perret, Gerry Woolf, Gerry Eldridge, Lesley Mowforth, Idris Williams and Roger Smith.

ORIGINS OF OGOF FFYNNON DDU

Many vague and haphazard statements have been uttered within the confines of the Small Common Room as to the origin of the Penwyllt cellars, otherwise known as Ogof Ffynnon Ddu. With the exception of P.I.W. Harvey who wrote a paper on the subject prior to the discovery of Ogof Ffynnon Ddu II, (S.W.C.C. N/L 40, June 1962), no members have attempted to present their opinions in a coherent, orderly form. So here goes.

The known passages of Ogof Ffynnon Ddu extend from a point near the resurgence to a point several hundreds of feet from the swallet of Pwll Byfre. This swallet is, at present, the major source of the water in the cave; but at the same time, field evidence indicates that the Pwll Byfre sink is a relatively recent phenomenon, the stream having invaded the cave system in geologically recent time. The Byfre Fechan rises on the Old Red Sandstone on the dip slope of Fan Gihirych and flows as a consequent stream down the dip slope until it reaches the Old Red Sandstone - Carboniferous Limestone boundary, where it has been captured by a strike stream flowing almost due West along the geological boundary into the Tawe. During the last glaciation of the area, during the Pleistocene period - probably some 25,000 years B.P. -, drift deposits lain down under the ice sheet that covered the higher ground between the Tawe and Neath valleys blocked the Byfre valley and with the retreat of the ice sheet the stream ponded up behind the barrage and sank underground into the limestone via a conveniently situated fissure in the rock. Today, the Byfre still sinks at this point, a considerable development of peat having formed behind the drift dam, and a residual stream, the Nant Byfre, flows as a misfit steam in the lower section of the Byfre valley. Considering the size of the Ogof Ffynnon Ddu system, it is not feasible to suppose that the Byfre water has excavated a cave system of such relatively large dimensions in the few thousand years since the close of the last glaciation. A large cave system must have been in existence at the time of the last glaciation into which the waters of the ponded back Byfre were diverted, otherwise the stream would have cut a breach in the drift barrage far more quickly than it could have eroded out a subterranean course. So the question arises, where did the water which originally excavated the cave system come from?

Ogof Ffynnon Ddu was formed almost totally under phreatic conditions. The only evidence of vadose action is found in the lower few feet of passage that presently contain free surface streams e.g. Waterfall Series, Cwm Dwr stream passage, Salubrious Passage and Maypole Inlet, Swamp Creek and Mainstream Passage. A. Glennie, in his classic paper on Ogof Ffynnon Ddu I, (Trans. C.R.G. Vol. I), presented evidence of the phreatic origin of some of the then known cave, similar evidence being available in the more recently discovered extensions of Ogof Ffynnon Ddu II and III. The development of the cave has been affected by a progressive lowering of base level, this being borne out by C.L. Railton who proposed that the water table had been considerably higher at the time of formation of parts of Ogof Ffynnon Ddu I than at present. Penwyllt is situated on a bench on the shoulder of the glaciated Tawe valley. It is a fair assumption that this bench is the remnant of the floor of the valley of an early Tawe, corresponding in level to that of a river graded to the 600 ft. coastal platform.

It is therefore a reasonable assumption that the developing cave system was also graded to this base level. Progressive lowering of the base level resulted in the development of series of passages beneath each other. This vertical 'layering' of cave passages is apparent throughout the system being a function of base level and of the bedding of the limestone. As the base level to which the system was being graded was progressively lowered, so the part of resurgence of the cave water retreated downhill and the upper series of the cave were drained and became susceptible to vadose modification by inlet streams.

The vertical development is a function of a falling base level and bedding but the horizontal ground plan of the system is essentially a function of structure. A brief glimpse at P.M. O'Reilly's survey of Ogof Ffynnon Ddu is sufficient to enable one to realise the extent to which the joint pattern acts as a control on cave formation. Although many minor faults are in evidence in the system, nowhere is there the degree of fault control as is to be seen across the valley in Dan yr Ogof. However, in certain parts of Ogof Ffynnon Ddu, series of passages markedly discordant with any structural controls are apparent notably in the Rawl, Nether Rawl and Gnome Passage areas, the origin of which is, at present, indeterminate.

On studying the survey, it immediately becomes apparent that all the passage development is to the North - West of the mainstream passage. Opinion has been expressed in some quarters that a continuation of the cave will be located to the South East of the mainstream in the area near the Maze. I think that it is probable that there is a continuation of the system to the South East of the mainstream, but at a level below that of the mainstream and in a totally phreatic environment, so that cavers will be unable to enter the system. The reason for this supposition is that the system is a function of bedding which in turn is a function of dip. Water will move along channels taking the shortest, most direct route to the level of total saturation at the lowest point down dip. Now, the Millstone Grit which overlies the Carboniferous Limestone is relatively impermeable to water, therefore the majority of the water entering the system will enter from the North and North West by flow through the limestone. Now the general dip of both the Grit and the limestone is to the South and scarp retreat will occur along the edge of the outcrop. The mainstream passage is the lowest level of free surface water in the cave and as such is moving progressively lower. The process of retreat of the Grit scarp will mean that area of exposed permeable limestone is extended, thus the area of potential water inlet is extended and the entire system extends down dip following the outcropping edge of the Millstone Grit. At the present, Pwll Byfre is the only sink feeding the system, the minor inlet streams being composed entirely of percolation water from the limestone surface.

The question still unanswered is that of the origin of the phreatic water that formed the cave. Obviously, the limestone and Grit once extended considerably further North than at present and the system formerly extended further North than today. The present situation is that Ogof Ffynnon Ddu III is choked at its Northern extremity by a collapse due to the slumping of a Grit mass. This slumped Grit mass, exposed at the surface at the Sand Pit immediately East of Pwll Byfre, has collapsed into a pre-existing mature cave, the collapse being dated by T.M. Thomas as Mid Tertiary. It is feasible therefore, that this pre-existing cave was originated in Early Tertiary times, some 20 million years ago. It is reasonable to assume that the cave system continues on the other side of this Grit collapse, to the North East of Pwll Byfre. Independent diving has indicated the existence of a large passage in this area, the

passage trending North North East,* although, there are no surface indications of the existance of a cave system. The base of the limestone outcrop is immediately to the North of Pwll Byfre and any cave must therefore be in the lowest levels of the limestone. It is, I think, fairly obvious that the system once extended further North in limestone that has since been removed by the processes of subaerial erosion.

As to the origin of the water that originally formed the system, all one can say is that the cave was once fed by water flowing South off the Old Red Sandstone escarpment, which once extended much further North than at present.

Gerry Eldridge

(* Can anyone give me an article on this - Ed.)

A DAY IN THE HISTORY IN THE HAMLET OF GLYNTAWE IN THE PARISH OF
DEFYNOG IN THE YEAR OF OUR LORD - 1907.

It was a Sunday in the mid summer of the year 1907, over 55 years ago. The morning started fine and very warm, but in the afternoon, the storm clouds started to gather portending a storm. The clouds banked up in thick dark ominous layers over the Wern, Penwyllt and Fan Gihirych and as we subsequently learned over most of North Breconshire. Sometime in the afternoon, the thunder started rolling and kept at it for some hours. The rain came down over Penwyllt in torrents mixed with hailstones, some of which were as large as acorns.

The same must have occurred over Waen Byfre and Fan Gihirych and the Carmarthen Fans. All this naturally oozed down into the Upper Tawe Valley.

Someone looking out of the windows of Craig-y-Nos Castle heard the sound of rushing waters and soon saw a red wall of water rolling down the river bed. He had the presence of mind to telephone down the valley to Abercrave and Ystradgynlais to warn them of what was coming.

I understand a lot of bathers were warned only in time. The fields of Rhongyr Uchaf and the lower hills of the Gelli were soon flooded to a depth of 7 feet. The cows of Rhongyr Uchaf, which were grazing quietly on the field were caught in the flood, panicked and made for home, thus wading right into the middle of the big flood, and were carried away one after the other down the valley, some as far as Abercrave.

The flood in the Tawe blocked up the outlet of Ffynnon Ddu, to a large extent preventing the stream emerging. It was noticed by some of the people who lived in the Grithig at that time and who were quite alarmed by all the waters about them that the water spouted up like a fountain at the point where subsequently Nixon and Harvey found a way into Ogof Ffynnon Ddu.

(This was presented by Sylvia Barrows. It was found amongst the possessions of the late Mr C. Powell.)

A

DEAD

CERT.....?

The certifiers are at it again, and probably justifiably so too, after all we don't want unqualified people leading caving trips. But qualified, by whom and for what? A caving trip begins a long time before the cave is reached.

Perhaps the first requirement is a medical degree and a specialist training in physical medicine so that the leader can physically examine and ascertain that each member of the party is fit to cave. A search of their medical records to make sure they are not concealing such diseases as asthma, epilepsy or diabetes is also mandatory. Perhaps each would-be cave leader should have a full psychological and psychiatric analysis, after all we can have mad men and people leading trips for the wrong motives. A short psychiatric survey of the party might also be in order, who knows what hidden but dangerous motivations might be revealed during the course of the interview? But enough of the medical problems we still want to take that party caving. Are they all over twenty one? Do we have their permission or their parents permission signed, sealed and witnessed for this particular caving trip? (Have we checked their signatures on the permission documents to make sure all are genuine?). Is our and their indemnity insurance current and for an adequate amount? Let us not forget that if this is a youth club or school party you will probably need a Teaching Diploma or a Youth Leaders Certificate.

Now of course we have got our party together, and we have to get them to the caving area. As the leader you will probably be driving, so you will need a public service vehicle licence, and your vehicle will probably have to be inspected by the Ministry of Transport to ascertain that it is fit to transport passengers. After all if they 'chip in' for the petrol they can probably be considered as fare paying. Have you ensured that their excess baggage is insured against loss while being transported in your vehicle? And don't forget to display the insurance certificate that indemnifies your carrying passengers, and the 'C' licence for carrying goods. When you are loading the tackle into the car spare a thought that it is British Standards as well as cave leader certifier approved. You may understand it, but is it all clearly labelled with the appropriate directions and warnings?

When you arrive at the hut, it's probable your responsibility to check that the fire prevention apparatus is in order, that the fire escapes are clearly labelled and available. After all they will probably be paying hut fees, so don't forget the Ministry of Health certificate for Hotels must be in order. You may be held responsible for unsanitary overcrowding, and that will bring your band of certificated leaders into disrepute.

I know it's two o'clock in the morning and you have had a long drive, but

are you sure all your charges are comfortable - a quick tour is probably required. after all you can't expect them to go caving without a good nights rest before hand. Well that done and you are nodding off to sleep, just spare a thought, have you got permission from the owners of the land adjoining the cave to take your party down, are they insured against accidents to you on their land, and have you indemnified them? As you are no doubt aware, one of the tests for a certified cave leader will probably be to be able to recite the dates of all the hunting, shooting and fishing seasons as well as the date of the organised shoots etc. on the land adjoining the cave, you don't want the responsibility of having one of your party shot in mistake for a grouse, or deliberately by an irate gamekeeper.

Morning has arrived, round up your charges and do supervise and make sure they have an adequate breakfast. What is an adequate breakfast? you may ask; well, for your Cave Leaders Badge you will have to be able to judge at a glance the weights of various portions of porridge, sausage, eggs, cornflakes etc. and to be able to calculate their calorific value. We can't have poorly fed cavers getting exhausted on you for lack of food, don't forget to have submitted your estimate of the number of calories required for your approved trip to the relevant committee, otherwise you may be held responsible and loose your licence. Still breakfast over, check the bowel and bladder movements of your party, you can't have them fouling the cave now can you? otherwise the cave preservation society will get you.

Round up your party and fall them in. Is their gear suitable? - have you the British Standards Institute Inspectors certificate? After all you will need it for the forthcoming inspection of gear. You have, of course, memorised all the specifications of helmets, boots and boiler suits, to say nothing of the various types of ropes for your Cave Leaders Badge. You are responsible for your party - is that loose, borrowed wet suit on the blonde of adequate thermal insulation? You could be held responsible. Don't worry too much, you of course can draw a wind chill factor table for all the varied clothing in the party before you, wet and dry; after all that too was part of your Cave Leaders Badge test, and it is important. Who wants his soaked party to die off one by one as they walk back after a wet trip?

Clearly recalling the specific gravity changes that occur as the accumulators become charged you will dash around your party with your hydrometer checking the state of their batteries. I know you have to trust your party to do something for themselves but that's a skilled job. Do you know what they have on underneath those outer garments? Check that all their spares are in order, and their boots and helmets fit, and let's go caving.

Hold it, you will probably have to walk across a moor or hillside to the cave entrance. I am sure that before you would lead these innocents out across the field that you will have your mountain leader and hill walkers certificate, Winter and Summer, Scottish, English and Welsh versions. You have of course got your fully written up route card and grid reference of the entrance. Don't forget your navigation gear, day and night; it may be dark when you emerge from the trip. A final thought, but of course you did it as part of your Cave Leaders badge. You can draw from memory a grade IV survey of the system you are about to explore on the back of a postcard, in case you have an accident and the others have to be sent for help.

Not much now, logistics check, leader novice ratio at the nationally

approved limit, destination and route communicated to the four duty inspectors. Key drawn, deposits paid, right, we are all human, you are bound to have forgotten something, but off we go - good caving.

Noel Dilly

CONSERVATION OF OGOFF FFYNNON DDU

Immediate news is that Ogof Ffynnon Ddu and Dan yr Ogof are now designated as Sites of Special Scientific Interest by the Nature Conservancy, and that the test drilling previously reported has stopped.

At the A.G.M. I gave a brief account of the work done since test drillings had started at the beginning of February. As a result the meeting authorized me to:-

- (i) take what measures are necessary to protect the S.S.S.I. areas in the Swansea Valley.
- (ii) negotiate access rights in the above and other areas where appropriate to the Club's interests.
- (iii) negotiate land purchase in the Club's interest.
- (iv) claim necessary secretarial expenses.

I have formed a small conservation committee to discuss policy and do the work as it becomes necessary.

I would be most grateful to hear from any member who thinks he has information which may be of use - however trivial - concerning our problem.

Roger Smith

SALE OF NEWSLETTERS

There are spare copies of most back newsletters. The more recent of these are for sale at 4/- each, others are available at a reduced price. Please write to, or see, Jem Rowland for details.

Jem's present address is:-

64 Salters Hill,
Upper Norwood,
London, S.E. 19.

Sink y Giedd

Reopened.

The poor little pony's legs buckled as we piled rucksack after rucksack onto his overloaded back. We hoisted the final rope on and watched as he wobbled across the farmyard. Anyone who has ever loaded a pack-horse will know that these cunning creatures have the remarkable ability to appear securely loaded - once on the way however, they casually allow their load to slip under their bellies, delaying everything. We had not loaded pack-horses before, but we soon learned the trick.

Although our objective was Sink-y-Giedd our ragged file of Welsh Mountain ponies seemed intent on taking the longest route and having circumnavigated Cribarth at least twice we at last moved onto the track past Pwll-y-Wyddden and on towards the black stain of Waun Fignen Felin, off on the horizon.

This was our idea of spending Easter - away from the madding crowds, out on a bleak moor. As the others disappeared over the brow of the hill and my old nag dragged her heels and refused to go till she had nibbled at the clumps of grass, the wind blew down from the snow clad summit of Fan Hir and I began to have second thoughts about the sanity of our venture. Hire ponies to get us to Sink-y-Giedd! The very idea! Have you ever shivered and bounced up and down uncomfortably on the back of a lazy bony pony before?

Our arrival at our chosen campsite was greeted by the comment "you must be mad" from our escort of locals, and as they departed, leaving us with an assortment of tents, rucksacks, spades and ropes, I thought we must be mad. We pitched our tents in a neighbourly fashion on an island in the middle of the stream course hoping that there would not be any floods while we were there.

Sink-y-Giedd is an impressive engulfment point of a stream that runs down the dip slope of Fan Hir. In drought, the water sinks a long way upstream of our chosen site, but there are few other obvious places to start digging. Years ago, (in 1947 to be precise) Peter Harvey had dug out Sink-y-Giedd, and it had been lost ever since, apart for a brief period in the 1950's. Although Peter's description gave little hope of major discoveries immediately, we wanted to open it up again and review the situation, especially since the 'missing link' in Dan yr Ogof is the elusive 'Giedd Series'. As divers and diggers were having little success inside the cave, we hoped that if we could reopen the lost swallet cave we might have another 'lead'. There were supposed to be 500-600 feet of cave passage, and although it was all likely to be situated in the Upper beds of limestone, we thought the whole idea was a worthwhile project.

Our first problem was to see where we ought to dig and this appeared to be a rather random choice. We picked on a gravelly point near where the stream

sank and began diverting the stream into a hole in the riverbank further upstream. This allowed us to clear away the gravel, and before long we could see that we were in the right place, for the boulders kept sagging down and in three hours the hole was open with the proverbial 'big black space and howling draught'. Pete descended and had a look around reporting some passages, all sound, no loose boulders etc., and plenty of evidence of flooding.

Next day we had trouble with water; our dam had burst, but with the help of the hordes of visitors who came over from Penwyllt we built a bigger one and eventually got the level low enough to go in again and have a good look around. We located a deep rift from the sound of running water and climbed 20' or so to the bottom; the way on was in a small low passage leading to a pitch of 40' or so. It was possible to descend half way down this, but it widened out too much to free climb to the bottom. We were soaked and extremely cold, so we left further exploration for the next day.

However, it was a very bad night and next morning, amongst the hail showers, we viewed the entrance - it was impossible. Nothing we did reduced the water level, so we visited some nearby collapses in grit with a view to digging them but they all presented impossible tasks. The following day proved to be drier but despite the dam there was too much water going in the entrance and we postponed the descent of the pitch till the following weekend.

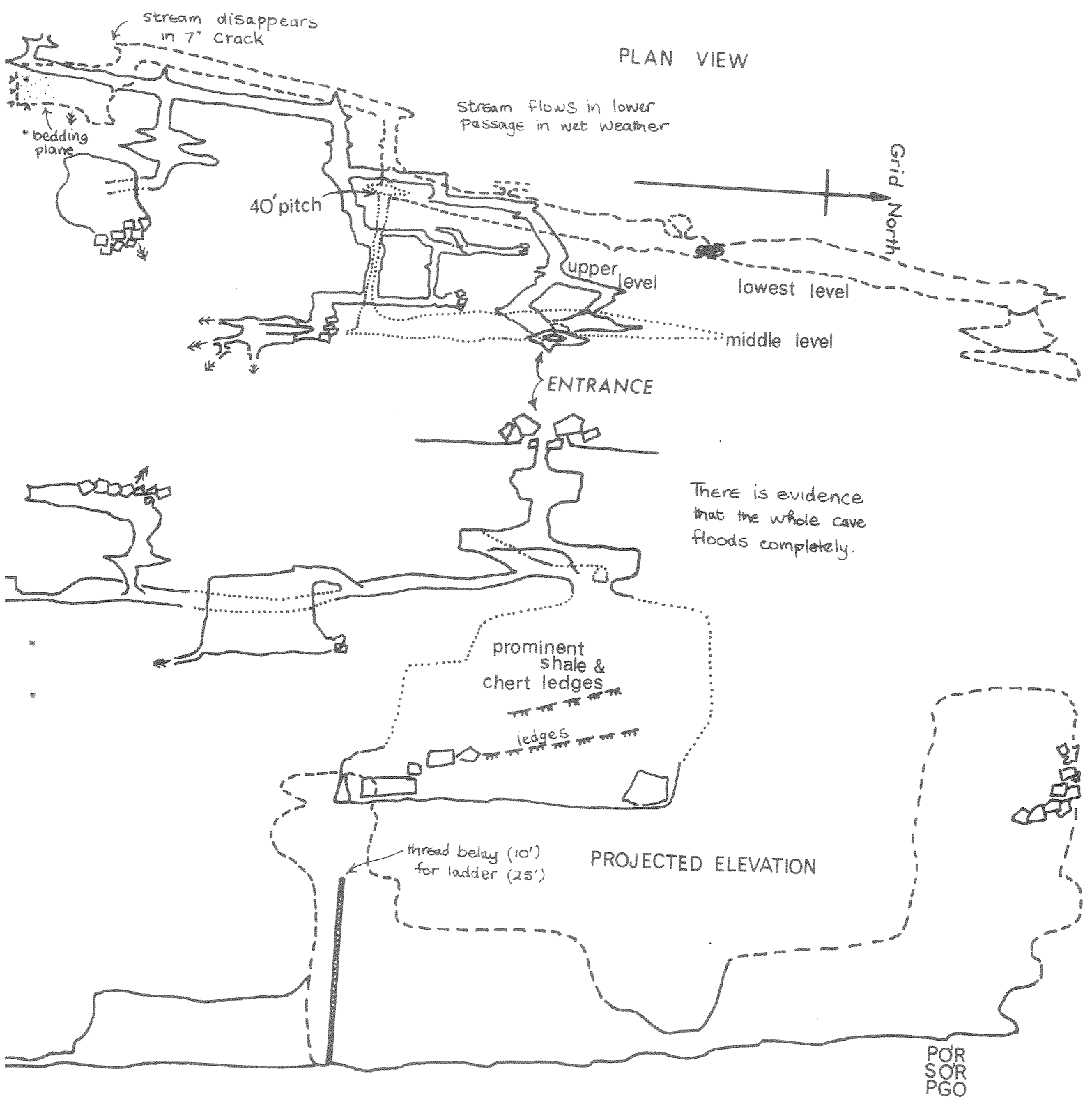
Our return journey to Craig-y-Nos by pony was as eventful as the outward one; it even snowed heavily just for variety! It's a grand way to go caving even if it is a little expensive - but it is much more enjoyable than Land Rover and far easier than walking.

When we did descend the pitch we found ourselves in a high rift carrying quite a stream. Downstream it disappeared in a cleft about 9" wide, but on the left there was a low bedding plane. Our efforts to dig out the gravel proved pointless and it was full to the roof. Upstream the rift ended in a climb of 40' or so to roof level but led nowhere.

Since then we have returned and found that when there is a small drop in water level there is no stream at all in the cave, even when it sinks within 100 feet of the entrance! However, all the cave as known has severe flood markings even in the uppermost passages and would be a deathtrap in a cloudburst.

There are several features of the cave worthy of note. It is, in total, 100 feet deep at the bedding plane and is formed wholly by vadose action in the uppermost limestone beds. There are a great number of shale beds and distinct cherty beds above the pitch, but below, the rock is clean black polished limestone. There is not a single stalactite or any other form of calcite deposition. Peter Harvey's diaries (1) show passages beyond the bedding plane; this presents the most useful indication of where to go next. There was a powerful draught near it when we last visited it.

On our departure we put 3lbs of fluorescein in the sink and within 35 hours or so the Tawe from Abercrave to Dan yr Ogof was bright green. As far as can be ascertained the dye entered the cave in the entrance pool to Mazeways. A similar test that weekend showed dye (3lbs) in Waun Ffynen Felin entered the Left Hand Series of the Far North and passed through to the cave entrance in 24 hours. The comparison of through flow times bodes well for future discoveries.



SINK Y GIEDD CRG GRADE 4 scale 1:250



I rather think we will find that Sink-y-Giedd enters Dan yr Ogof IV as a high level feeder inlet - when IV is found it will probably be a big mature fault-orientated passage running both northwards from Sink-y-Giedd and southwards. Naturally the cave will have to trend South Easterly towards Mazeways but it will probably do so in a series of 'steps' aligned along the many faults in the area. I would hesitate to suggest as Alan Coase (2) that the Sink-y-Giedd inlet system will fall rapidly to a 'phreatic zone' and be largely impassible to ordinary cavers; it is much more likely to be BIG.

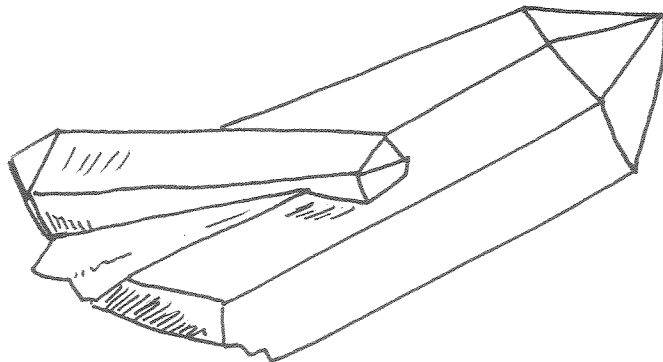
Let us hope that now Sink-y-Giedd is open more members will spread their activities a little further afield - there is fantastic potential here waiting to be grasped - all that is needed is a bit of perseverance and maybe luck

1. P. Harvey - Private Comm.
2. A. Coase - B.S.A. Proc. 1966.

P. O'Reilly
S. O'Reilly
P. G. Ogden

BLACK QUARTZ CRYSTALS IN OGOF FFYNNON DDU

Early this year I spotted some black crystals growing on the wall of the passage between the 'Crevasse' and the 'Shambles'. The crystals appeared to have been exposed in the limestone during formation of the passage. They averaged less than $\frac{1}{4}$ " long. I prised a twinned pair from the wall and sent them to Kieth Ball. He writes: "the quartz is black and opaque on viewing with a binocular microscope. Even the edges of the crystal show no sign of translucency. Identification was by X-ray diffraction, the only other phase present being calcite". Kieth also mentioned in his letter that black or smokey quartz is often a sign of radioactivity but the analysis did not show signs of uranium.



sketch of twinned
crystals

Roger Smith

Cave Potential

on Llangynidr Mountain.

Prior to 1968 the caving situation on Llangynidr mountain can best be described as 'dead'. Few caves were known and because these were short, had the reputation of being muddy ratholes. Little attention was drawn to them. In fact one could not do a decent day's caving if one incorporated the lot. Isolation was the main deterrent to hopeful cavers and few people even thought of caves beneath the mountain's differential covering of grit and glacial debris.

At this time the caves that existed were Blaen Onneu Caves a hole in the Claisfer escarpment, Claisfer resurgence, Claisfer Pot, Chartist Cave, Ogor Hen Gwar Trefil and some small holes in 'Trefil 'old' Quarry.

Blaen Onneu Caves were first explored in 1948 by B.N.S.S.S. and the caves then, as now have some potential. The fact that there were fairly large boulder choked chambers with draughts drew attention and several parties dug and blasted here for several years. The pot drew many hopeful cavers for at the far end of the passage at the bottom, a constant draught was to be found, issuing from a boulder choke. However it seems no one had enough courage, or madness, as the case may be, for no substantial work was done.

Along the Claisfer escarpment only one 15' 'open' cave existed and this showed no promise at all.

Claisfer rising lay at the head of the Claisfer brook and apparently B.N.S.S.S. made several attempts to push it, though these must have been unsuccessful(?) for nothing was heard of it.

A short distance from the rising Claisfer Pot was discovered and this positively proved that caves were to be found in this part of the limestone. The cave issued a slight draught but the boulder chokes and isolation apparently deterred people. On the moor nearby several blocked shafts were to be found and it seems very little work was done in this area.

To the South and under the Grit, Chartist Cave or Ogor Fawr was known, due to historical importance. However the draught was negligible and didn't warrant digging.

Further West Ogor Hen Gwar Trefil showed little sign of extension and some smaller holes in the same quarry seem to have been missed. These holes to the South in the quarry take strong draughts and are well worth a dig.

Therefore with a sparse scattering of caves all along the mountain there just had to be more. The obvious thing to do was to walk the area during the winter. Consequently during the winter of 1967-68 I walked, seeing virtually every sink to the East of Chartist Cave and paying increasingly more attention towards the East.

By the greatest, inexplicable coincident in the world, the first draught was that of Ogof Cynnes. As subsequent history has shown, the entrance is far from being constant so it was a lucky find indeed. But, "seek and ye shall find". Weather conditions were those of hoar frost and so with a very strong draught, and a solid backwall, immediate digging proved irresistible. A frantic burst of turf pulling and stone throwing revealed a downward sloping, rift-like, passage, after only a few minutes work, but it took about an hour altogether, and another trip before entrance was gained.

Also found about this time were Cynnes II and a foxhole. Both have constant strong draughts and are undoubtedly part of the Ogof Cynnes (I) system. There is only a small chamber associated with the foxhole but Cynnes II has just under 20' of passage.

Ogof Cynnes, now over 3,000 feet and showing great promise, still boasts of unentered passages and others that have only been entered once, in 1968 i.e. 'The Black Hole Series'. Draught is strong in the latter series as it is in another area, the 'Boulder Chambers' area, but as both places are off the beaten track, cavers rarely venture this far. It seems people are not used to 'true' Welsh caves and as a result malicious rumours have been spread, that have no foundation in fact.

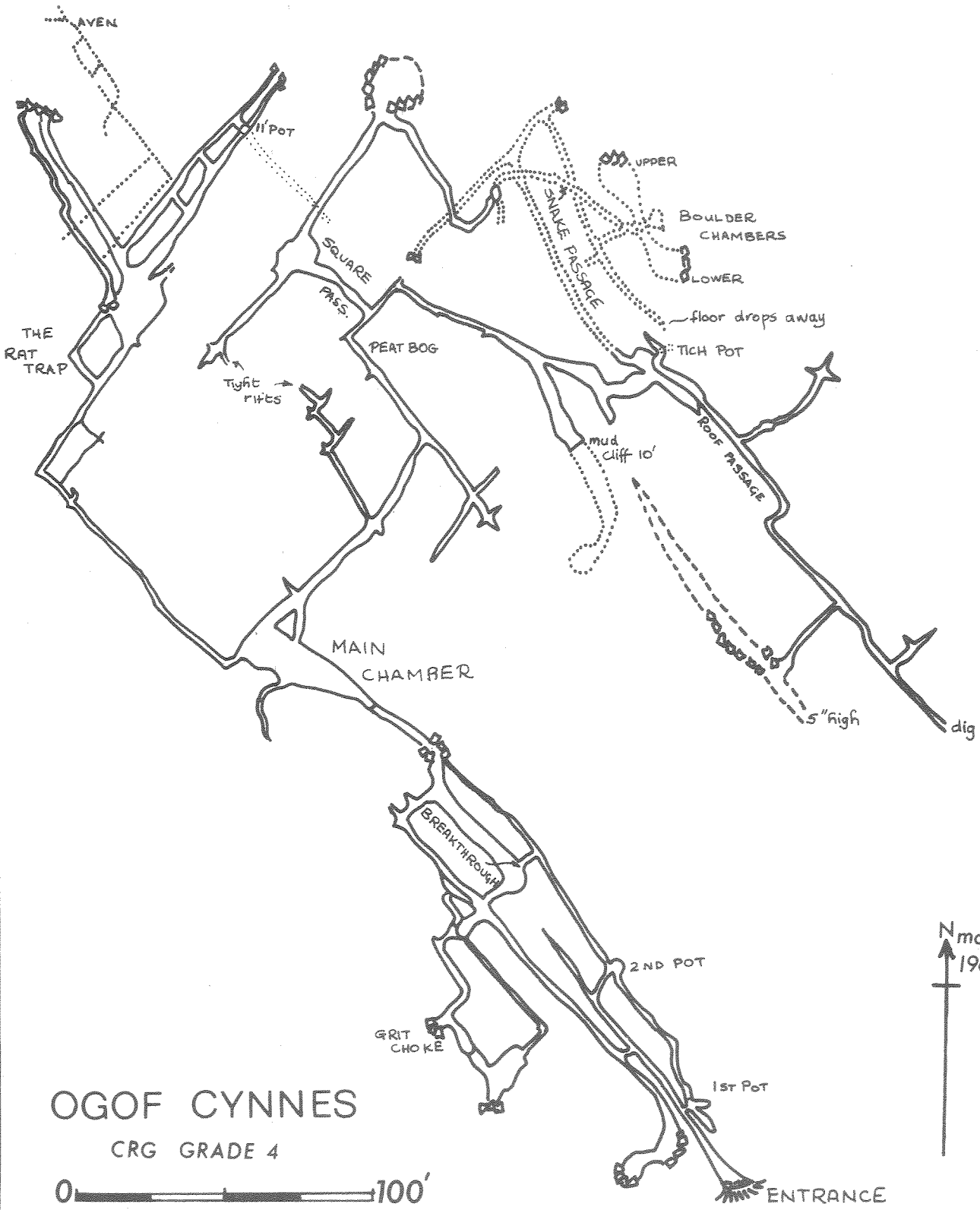
A question arises; "Where does the cave water emerge? Is it to the North against the dip of the rock or to the South-East towards the Clydach Gorge and Ffynnon Gisfaen, or ----- ?

On trips to Ogof Cynnes, Skull Cave was found, about 25' long, only 130 yards from Blaen Onneu Quarry. This was apparently unentered previously for a small boulder choke had to be cleared. The draught was strong and constant and disappeared down an unstable 6' pot, to be lost in grit boulders. Digging without shoring, was tried but the pot seems a bit temperamental, in fact it is B----- dodgy. There seems to be a chamber of sorts at the bottom, for stones can be heard to rumble down a cone of rubble and to echo as though in a large chamber?

In the summer of 1968 Royal Welsh Cave was entered, by Geoffrey Jones, the only one small enough to get in. The draught had warranted digging, but only a 20' chamber was found. No one has entered since.

The following summer, Ogof Mynydd Llangynidr was finally fully explored, the entrance having collapsed the previous spring, just as I got out, However even though the draught was the strongest on the whole mountain, the find was very disappointing. There was only about 175' of once very large passage, which has since partially collapsed, ending in a mud fill. The draught could not be detected inside the cave. It has only been entered about three times so one more trip may prove successful.

Soon after, an 8' pot wholly in Millstone Grit was found a little way from the Trig. Point. This led to a low chamber about 6' in diameter, with a



OGOF CYNNES

CRG GRADE 4



SCALE 1:720

slight draught. Several other draughts were observed just North of the Trig. Point.

In June 1969 a small cave was found, only a few yards from the summit of the main Llangynidr - Beaufort road. It lay in a shallow sink and had a slight draught. The cave was soon opened but proved disappointing, for it was only 12' long with a slight chamber at the end. There appears to be a cavity under the floor, and the draught is positive.

The Claisfer Escarpment Bluff seemed a very promising place and so what seemed an excellent site was dug only to find a glorified overhang 6' high by about 10' in diameter. Nothing else on the escarpment seems worth digging.

A hole (Mantle's Hole) found many years before by a local shepherd was also rediscovered. He said it was 50' deep but it proved to be 6', mud and boulder filled, with little or no draught.

The area around Chartist Cave deserves much closer attention for there are several strong draughts in this vicinity. The strongest, to the South East is at 129151 approximately, and deserves a good dig.

Altogether then very little attention has been paid to Llangynidr mountain. Probably few other caves will be found with such comparative ease but certainly many are left to be discovered. Many of the known caves show great promise so perhaps increased attention will be paid to them.

The area has already produced several unique species of 'bug' life and perhaps more will be found. Little attention has been paid to the geology and formation of the caves, so ---- anyone want to take a look ???

Map references of caves and sites of interest on Llangynidr Mountain.

O.S. MAP 1" 141, 2 $\frac{1}{2}$ " S011

Roadside Cave	SO 164156	approx.	15'	1969
Blaen Onneu Caves	SO 158162		300'	1948
Mantle's Hole	SO 150168	approx.	6'	1969
Skull Cave	SO 157163	"	30'	1968
Ogof Mynydd Llanlynidr	SO 154158	"	175'	1969
Shaft near Trig. Point	SO 145159	"	10'	1969
Dig on Claisfer Bluff	SO 146166	"	10'	1969
Cave on Claisfer Bluff	SO 144164	"	15'	
Royal Welsh Cave	SO 143153	"	20'	1968
Foxhole	SO 141155	"	5'	1968
Ogof Cynnes	SO 141154	"	3,000'+	1968
Ogof Cynnes II	SO 141154	"	15'	1968
Claisfer Resurgence	SO 128160	"	15'+	
Claisfer Pot	SO 129161		60'	1959
Chartist Cave	SO 127152		120'	
Ogof Hen Gwar Trefil	SO 122136		50'	1960
Holes in Trefil Old Quarry	SO 123134	approx.	15'	
Trig. Point	SO 147159			

Martyn Farr

OBITUARY

GERARD PLATTEN (b.1899 - d.1970)

With deep regret we record the passing of one of the outstanding personalities in British Caving - Gerard Platten - who died in March.

Gerard will be known to the majority of cavers only by name and for the monumental work which he performed in producing "The British Caver" his bi-annual publication of news of caves and caving not only in Britain, but throughout the World. Despite periods of poor health this remained his life's major work and he never failed to make publication date. Sometimes he had to seek some assistance with printing and binding for every edition was produced throughout at his home at "Rotherfield" in New Milton. If he made any profit at all from the sale it certainly was no compensation for the devoted hours he spent every evening in his den at home. He had caving contacts in numerous countries and with most British caving clubs, as well as arrangements with Press agencies. Of necessity he was a prolific correspondent renowned for his brief postcards.

Those of us who knew Gerard and caved with him will now cherish our many memories of him more dearly. He was a personality, a character, he possessed a boyish humour throughout his life, and tales of his caving "escapades" were told years after he had retired from more active participation. He was sincere, enthusiastic and generous. He placed small personal value on things and would lend anything that would be of use to a trusted fellow-caver - lantern slides for lectures, large-scale maps, books or anything. He had a very large library of caving and reference books. For years his large volumes entitled "Cave Notes" were sent around the caving fraternity on a postal circuit basis. These books were in themselves most comprehensive and the results of many hours diligent activity.

In South Wales Gerard played an important part in pioneering the area. In 1937 he took over from the renowned E.E. Roberts (Y.R.C.) preliminary explorations of Dan yr Ogof for the owners - the Morgan Brothers. He started the "Dragon Group" composed of picked teams of cavers of all clubs or no club to further explorations in Wales. There was no committee, only the organizing hand of Gerard. The idea worked well and most then known caves were visited and in Dan yr Ogof a limit was reached which remained unchanged for 25 years.

He came back to Wales in 1946 for the inaugural meet of the S.W.C.C. and to lead trips into Dan yr Ogof, and again in to see S.W.C.C. get off to a good start and gave great assistance at the time, which may not have been given the full appreciation which his efforts deserved.

In addition to the organisation and control of numerous exploration teams in Dan yr Ogof Gerard himself spent many hours in the cave and produced the first survey. He was present at the first explorations of Ogof Pwll Swnd and led parties to all the then known caves in South Wales. In this way he created an interest in this area which resulted in an intense activity and

swayed the British Speleological Association in its decision to hold a very successful conference at Swansea in August 1939. On Mendip Gerard (allegedly due to his sense of smell) forced the entry of Cow Hole before others equally interested because the still decomposing carcase of a cow did not cause any distress.

Gerard's death is a sad loss for British caving but let us hope others may be inspired by his efforts to do likewise. Perhaps some positive action could be taken to perpetuate his name for this he richly deserved.

A. Hill

SOCIAL EVENTS

Over the past 6 months there have been several slide shows, all of which have been very successful and entertaining. It is therefore intended to hold the following shows.

(i) WHITSUN BANK HOLIDAY - to be held on Saturday evening May 23rd.

Communal Meal (optional) : Menu to be decided
Cost under 10/-

followed by slides

Please bring your own slides for this show. Select 20-30 of your best slides (they need not be caving slides). The purpose of this is to have if possible, about a dozen people showing slides, introducing variety into the evening's entertainment.

(ii) AUGUST BANK HOLIDAY

A further slide show will be organised, if sufficient interest is shown in the Whitsun event.

(iii) MONTHLY DOO

Can anyone suggest, or like to organise, an evening's entertainment during the month between Whitsun and the C.R.G. meeting.

All events will be advertised in the Club, with space to write your name if you wish to be provided for at the event.

From the Logbook

1. A radio test has located the top of the choke in Gnome Passage to be at a depth of 70 feet (+ 4 feet). Its position is 100 yards due South of the Top Entrance.
2. A visitor from Surrey University was injured in Ogor Ffynnon Ddu II in the Cwmdwr stream near the Smithy. A large boulder fell and fractured his ankle. He was able to get to the entrance without outside assistance.
3. Several people have been divining above the ground between Ogor Ffynnon Ddu and Pant Mawr. The results have been "surprising" but precise details of passages traced have not been fully reported. (I hope to have an article on this soon - Ed.)
4. A further dive has been made in Ogor Ffynnon Ddu I by John Parker (C.D.G.). A total depth of 85' was reached covering a distance of about 350 feet, the last 100 feet of which was in large boulder strewn passage.
5. Dip Sump Series has been entered from the Cwmdwr side by scaling the eastern wall of the Diver's Pitch. At the top, a small (i.e. tight) passage leads into the main series. This will enable the series to be explored properly.
6. Bob Hall and Nigel Ellis have commenced tracing the course of streams through the Clay Series.
7. A new dig has been started in the Waterfall Series in Ogor Ffynnon Ddu I. The site - near the coffin - is a sand filled passage heading Eastwards and carrying a slight draught.
8. Bats and fresh spiders webs have been seen at the Shambles on the way to Ogor Ffynnon Ddu III (suggesting this point to connect with the surface?)
9. Mick Day and Bob Hall have managed to traverse from Pendulum Passage to the mainstream in Ogor Ffynnon Ddu II and also to the Nave, without tackle.
10. Surveying work has continued in Dan yr Ogor in Pinnacle Series and in the Longer Crawl. These parts are now completed.
11. Sink-y-Giedd has been re-opened by Paddy and Sue O'Reilly and Pete Ogden after a short dig. For details, see elsewhere in the newsletter.
12. Dye tests have proved connection of Waen Figen Felin with the Left Hand Series of the Far North and confirmed the Sink-y-Giedd connection with Dan yr Ogor.
13. Five members of U.B.S.S. were rescued from the Bridge Cave extensions. About 30 cavers spent the Saturday-Sunday (Feb. 21st-22nd) night sand-bagging the entrance. The party surfaced at about 6 a.m.
14. Timber at the top of Cascade Aven in Tunnel Cave is rotting badly.

Some of this has collapsed. A lot of rubbish is also reported to be accumulation in the cave.

15. There was a very poor response to the last Cave Rescue Practice (April 11th) - so poor in fact, that the scheduled practice had to be abandoned. Instead various stretchers were tested in the River Tawe. Please make every effort to attend the coming practices. The dates and objectives are advertised well in advance - see the pink sheet accompanying the last newsletter.

BOOK NEWS

There are only about a dozen copies left of 'The Great Forest of Brecknock' by William Rees. See newsletter No. 60 for a review of this work. If you would like a copy send 6/- to Brecknock Museum, Glamorgan Street, Brecon.

Copies of the Ogof Ffynnon Ddu survey are also in short supply. Contact P.M. O'Reilly if you still haven't ordered yours.

Club News

1. We welcome the following new members, accepted after the last newsletter:
Elizabeth T. Jay, 62 Great North Road, London, N.6.
Glyn Jones, Tawelfaw, Caehopkin, Abercrave, Swansea.
Harvey Lomas, 2 Mitchell Street, Newton Heath, Manchester, M10 6JA.
Ron Trotman, 122 Clyndu Street, Morryston, Swansea.
Chris Moys, Stile, Todmorden, Lancs.
2. Pete Cardy has been co-opted onto the Committee as Hon. Assistant Secretary.
3. Gerry Eldridge has been elected onto the Ogof Ffynnon Ddu I leaders list. Mick Day has been transferred onto the list from that of guest leaders and Donald Thomson has been put back onto the list.
4. Dan yr Ogof. Members are reminded that permits are required for those wishing to visit the cave and that the rules state that parties are to be in the cave before 10.0 a.m. (11.0 a.m. on Sundays). Also, remember that if you meet a party of tourists in the show cave you should wait to be invited to pass them.
5. Ogof Ffynnon Ddu II. Members have found many arrows on the walls and a lot of these have been removed. You are asked to discourage the practice of doing this.
6. Cave Research Group of Great Britain. The Southern General Meeting will be held at the Abercrave Welfare Centre on Saturday 27th June, 1970. We shall be the host club. Please make every effort to attend. The following papers will be read:
'Factors influencing Cave Development of the North Crop of the South Wales Coalfield'. - Kieth Ball.
'Geology and Geomorphology of the Dan yr Ogof System'. - Alan Coase and Dick Arculus.

There will be a dinner following the papers, at the Welfare Centre price £1 per person. These can be booked through Mary Galpin; orders are to be accompanied by the money. Further details will be placed on the notice board at the H.Q.

On the Sunday the Bone Cave, Ogof yr Esgyrn, will be flookit and a talk by E.A. Mason will be given on the work carried out there and future prospects in the neighbouring caves.

Our H.Q. will be made available for members of the C.R.G. attending the meeting and more than the sixteen guests allowed will be accepted if the occasion merits it. People may also camp beside the H.Q. on this weekend.
7. If your address is given incorrectly in the address list please let either the treasurer or the secretary know.

8. The telephone at the H.Q. has now been put onto the G.P.O. emergency repair service list. This means that if a fault is reported it will be dealt with immediately by the G.P.O. The only type of faults they cannot deal with at night are those in connection with overhead cables.
9. We now hold a key for Ogof Ffynnon Ddu 1 which is to be used only when Mr. and Mrs Barrows are away. If it is used then a list of these people entering the cave should be put through the letter-box at Y Grithig. The key is held by the same group of people who held the Dan yr Ogof key, i.e. Bill Little, Robert Radcliffe, Laurie Galpin, Frank Baguley.
10. Gareth Davies has joined the R.A.F. We wish him the best of luck in his future career.
11. A new climbing club is being formed in the Swansea Valley area. It is called the "Phoenix Group". If you are interested, write to Carl Ryan, 30 Grove Road, Clydach, for details.
12. We were sorry to hear that Robin Williams has been taken ill and that Ted Mason has fractured his pelvis. We wish them both speedy recoveries.
13. A representative from the B.B.C. visited the club in order to make a short radio programme on caving.
14. Congratulations to Mike and Viv Coburn on the birth of their daughter.
15. We have heard that the final sump in Llygad Llŵchwr has been passed by John Parker (C.D.G.) He has entered about 400' of well decorated passage and has explored as far as a further sump.

Members' Addresses

Aldridge J.D.	Mr. & Mrs.	38 St. Leonards Rd, Bengeo, Herts.
Alexander J.M.		Brotton House, Brotton, Saltburn, Yorks.
Anderson N.		15, The Parade, Whitechurch, Cardiff.
Andrews T.O.		186, Courtlands Ave, London S.E. 12.
Arculus R.J.		9, Elwyn Rd., Sutton Coldfield, Warks.
Ashwell A.W.	Mr. & Mrs.	Cuilcagh, Stanyeld Rd, Trevor Hill, Church Stretton Salop
Aslett E.	Dr.	Castle Hotel, Brecon.
Bacon C.	Mr. & Mrs.	1 Panteg Close, Culverhouse, Cardiff.
Baglin C.	Mr. & Mrs.	34, South Ave, Ullesthorpe, Rugby, Warks.
Baguley F.S.S	Mr. & Mrs.	15, Elm Grove, Aberdare, Glam.
Ball H.J.		69, Menzies Rd., Torrey, Aberdeen.
Ball T.K.		29, Fairfax Ave, Sundon Park, Luton, Beds.
Barr R.		Chestnuts, Histons Hill, Codsall, Staffs.
Barrows J.	Mr. & Mrs.	Y Grithig, Pen-y-Cae, Swansea Valley, Glam.
Basset D.A.	Dr.	National Museum of Wales, Cardiff.
Benson-Evans K.	Dr.	Trefriw, 103, Merthyr Mawr Rd, Bridgend, Glam.
Bevan J.	Mr. & Mrs.	62, The Greenway, Sutton Coldfield, Warks.
Birchenough W.	Mr. & Mrs.	Felinganol, Verwig, Cardigan.
Bowden-Lyle S.	Miss	PO Box 15, Iganga, Uganda, Africa.
Bray L.G.		39, High St. Northwood, Middx.
Bryant T.C.		Glyncoed, Victoria Rd, Maes-y-Cwmmmer, Hengoed, Glam.
Cardy P.W.		111, Roedean Ave., Enfield, Middx.
Christopher N.J.		Oriel Lodge, Gentle St. Frome, Somerset.
Clarke D.R.	Mr. & Mrs.	87, Caterham Drive, Coulsdon, Surrey.
Clissold G.	Mr. & Mrs.	Silhouette, Staunton, Coleford, Glos.
Coase A.C.	Mr. & Mrs.	4, Sutton Close, Oadby, Leicester.
Cope G.N.		20, Mynors St., Stafford.
Coburn M.		56, Chestnut Rd. Cimla, Neath, Glam.
Cons D.	Mr. & Mrs.	2, Hawthorn Way, Sonning on Thames, Berks.
Coombs E.D.R.		April Cottage, 7 Primrose Row, Uplands, Pontardawe, Glam.
Crook B.A.	Dr.	The Laurels, Timsbury, Bath, Soms.
Day A.C.	Mr. & Mrs.	23 Glencairn Ave, Tuffley, Glos.
Day M.C.	Mr. & Mrs.	152, Roxeth Green Ave, South Harrow, Middx.
Davies D.R.		69, Bishopston Rd. Bishopston, Swansea, Glam.
Davies G.J.		18, Morgan St. Abererave, Glam.
Davies J.M.		47, Heol-y-Bont, Rhiwbina, Cardiff.
Davies M.		18, Ty Mynydd, Pontnewydd, Cwmbran, Mon.
Dembo B.M.		52, Laburnam Rd. Maidenhead, Berks.
Devenish C.L.		Washing Pool, Chilcote, East Horrington, Wells, Somerset.
Dilly D.F.		19, Preston House, Paddock, Wallsall, Staffs.
Dilly P.N.	Dr. & Mrs.	86, Ashburnham Grove, Greenwich, London S.E. 10.
Dingle L.S.		2, Penylan Terrace, Roath, Cardiff.
Dolphin P.	Mr. & Mrs.	Ter-Der-Fer, Bouverill St., Gzira, Malta.
Dowden W.A.	Mr. & Mrs.	8 Coombe Cottage, Streatly, Reading, Berks.
Dryden J.K.		Little East Church, Cheriton Bishop, Exeter, Devon.
Duerden M.		10, The Apple Orchard, Hemmingford Grey, Hunts.

Edington M.A. Eldridge G.	Mrs.	20, Twyn-y-Fedwen Rd. Whitchurch. Cardiff. 91, Cissbury Ring South, London N 12.
Fairbairn C. Farr M.J. Flaherty R. Foremen P. Foster B. Freeman C.	Ray Geophysical Div. Mandrel Industries Inc. PO Box 2307 Tripoli, Libya. Efail Isaf, Cwmdu, Crickhowell, Brecon. Mr. & Mrs. 90, Hanover St, Swansea, Glam. 24, Fowberry Crescent, Newcastle-upon-Tyne 4. Dept. of Surveys, PO Box 120, Lilongwe, Malawi. 27, South Rd, Sully, Glam.	
Gale J.S. Galpin L.S. Genin G. George C.O. Gilinsky H. Glennie E.A. Graham C.R. Gregory R.	Mr. & Mrs. Mr. & Mrs. Brig.	97, Hollycroft, Hinckly, Leicester. 6, Trinity Rise, Tillington, Stafford. 6, Bankton Rd, Brixton, London SW 2. Leys Cottage, Llanbleddian, Cowbridge, Glam. 35, Beaconsfield, Balsall Heath, Birmingham 12. Seaton House, 15 Shrublands Rd, Berkhamstead, Herts. Nuppand Farm, Alvington, Lydney, Glos. 9, Millwood, Lisvane, Cardiff.
Hall R. Hardwidge P. Harris W.G. Hartwell J.M. Harvey J. Harvey P.I.W. Harvey P. Harwood E. Hawes L.A. Hazelton M. Hensler E. Hill A. Hirons J. Homes I. Howlett P.M. Hunt D. Hume D.	Miss Mr. & Mrs. Mr. & Mrs. Mr. & Mrs. Mrs. Mr. & Mrs. Miss Mr. & Mrs. Miss Mr. & Mrs. Mr. & Mrs. Mr. & Mrs.	16, Fore St. Hatfield, Herts. 15, Heol Wernlas, Whitchurch, Cardiff. 17, Ford Rd, Velindre, Port Talbot, Glam. Albright & Wilson (Aust) Box 4544, GPO, Melbourne, Australia The Riding School, Upper Haresdale Farm, Bishopston Swansea Frenchay Lodge Bungalow, 22 Homestead Gds, Frenchay, Glos. c/o P.O. Barry Island, Glam. 38, Corbett Ave, Droitwich, Worcs. Cribarth, 26, Court Moor Ave, Fleet, Hants. Seaton House, 15 Shrublands Rd. Berkhamstead, Herts. 12, Knighton Close, Woodford Green, Essex. 32, Marine Rd, Creston, Plymouth. 60, Neville Rd, Erdington, Birmingham 23. Lindum, The Homend, Ledbury, Hereford. 1 St. Oswalds House, C.P. Dunham on Trent, Newark, Notts. 19, Daniel St. Cadoxton, Barry, Glam. 2, Rockwood, Cavendish Rd., Matlock, Derbys. DE4 3HD.
Inson E.G. Iles A.	Mr. & Mrs.	42, Torrens Drive, Lakside, Cardiff. 330, Pat Mell Rd. Apt, D5, Marietta, Georgia 30060, U.S.A.
Jay C.T. Jefferson G.T. Jefferson G.W. Jeffrey L. Jenkins D.W. Jenkins P.D. Jones G. Jones G.H. Jones G.K. Jones J.C. Jones N. Jorgensen B. Judson D.	Mr. & Mrs. Dr. & Mrs. Mrs. Mr. & Mrs.	62, Great North Rd., London N6. 6, Rhiwbina Hill, Rhiwbina, Cardiff. 6, Rhiwbina Hill, Rhiwbina, Cardiff. 1, Blacklands Rd. Upper Bucklebury, Berks. Doneraile, Brookfields, Cefn Llys Lane, Llandrindod Wells, Rads Doneraile, Brookfields, Cefn Llys Lane, Llandrindod Wells, Rads. Tawelfawr, Caehopkin, Abercrave, Swansea, Glam. The Old Vicarage, Sketty Park Rd, Sketty, Swansea, Glam. 49, Crymlyn Rd, Skewen, Neath, Glam. 27, South Rd. Sully, Glam. Cwm Farm, Black Brook, Caerphilly, Glam. 58, Linden Ave, West Cross, Swansea, Glam. Tosley Court, Redditch, Worcs

Keen G.	Miss	59, Blake Rd. Bounds Green, London N11.
Kemp D.		5, Church Lane, Southwick, Brighton, Sussex.
Kirby S.C.		19, South Park Cres. Ilford, Essex.
Kirk A.		28, Bradley Green Rd. Hyde, Cheshire.
Linforth P.A.		Copperfield, Slade Hill, Charlbury, Oxon.
Little W.H.		29, Wrekin Rd, Sutton Coldfield, Warks.
Lloyd D.T.		20, Maes-yr-Haf, Llansamlett, Swansea, Glam.
Lloyd N.B.		Barlands Cottage, Bishopston, Swansea, Glam.
Lloyd O.C.	Dr.	Withey House, Withey Close West, Bristol.9.
Lomas H.A.		2, Mitchell St., Newton Heath, Manchester M10 6JA
Maddocks K.		9, Green Close, Mayals, Swansea, Glam.
Mallory I.S.	Mrs.	RFD 2, Grants Hill, Wheatens, Alfred, ME.04002, U.S.A.
Mason E.J.	Mr. & Mrs.	11, Kendon Drive, Westbury-on-Trym, Bristol.
Mathews J.P.	Dr.	35, West Cross Lane, Mumbles, Swansea, Glam.
Mawson B.	Mr. & Mrs.	32, Glyn Llwyfen, Llanbradach, Caerphilly, Glam.
McCreadie S.W.S.		8, St. Marks Court, Cambridge.
McLeod.B.		15, Clare Rd, Ystalyfera, Swansea, Glam.
Millet P.		26, Bacton Rd. Gabalfa, Cardiff.
Millward A.G.		179, Grove Rd, Sparkhill, Birmingham 11.
Moon T.D.C.		40, Jestyn Close, Dinas Powis, Glam.
Morgan R.J.		Klisterli, Patricxbourne Rd, Bridge, Canterbury, Kent.
Moys C.J.		Stile, Todmorden, Lancs.
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