



Note NEXT GENERAL MEETING is on
July 5 in the Badham Room, The Union.

TWENTY - FIFTH
ANNIVERSARY
DINNER



Box 35, The Union,
University of Sydney,
N.S.W. 2006.

Registered in Australia for transmission
by post as a periodical—Category B.

A dinner in the Union is one of the great traditions not only of SUSS but of University clubs generally. YOU CANNOT SAY THAT YOU HAVE PARTICIPATED FULLY IN UNIVERSITY LIFE IF YOU HAVE NEVER BEEN TO A DINNER IN THE UNION.

This is the 25th Anniversary Dinner of Sydney University Speleological Society, which was the first speleological group established on the mainland of Australia.

A distinguished former member of the Society, Alex Jones, will be guest speaker. Alex, who is Dean of the Faculty of Arts at this University, is a noted after-dinner speaker.

SEE BACK PAGE FOR DETAILS OF TICKETS etc. AND DO NOT MISS THIS IMPORTANT OCCASION

F O R T H C O M I N G A C T I V I T I E S

June	30 - 31	TIMOR	Ian (Spike) Milligan	6601508 (H)
July	5	GENERAL MEETING		7 pm
		In the Badham Room, The Union, Sydney University. PLEASE NOTE THE DATE. Slides of recent trips will be shown after the meeting. Please bring slides of recent activities.		
	7 - 8	JENOLAN	Ludwig Muenzenrieder	4282034 (H)
		Surface and underground exploration and surveying.		
	7 - 8	CLIEFDEN	Keith Oliver (H.C.G.)	6231768 (H)
	10 - 13 (midweek)	FIRST AUSTRALASIAN CONFERENCE ON CAVE TOURISM		
		Organized by the Australian Speleological Federation at Jenolan Caves House. Only \$5 for non-resident participants. At least three SUSS people are going. Films, slides, papers etc. Ring Bruce Welch 991013		
	17	S U S S 25th ANNUAL DINNER		
		THE EVENT OF THE YEAR, IN FACT OF THE QUARTER-CENTURY. If you have never been to a Dinner in the Union before, you had better not miss this great event. See announcement within.		
	(sometime)	TUGLOW	Details of this A.S.F. trip still not available	
	21-22	CLIEFDEN	Bruce Welch	991013 (H)
	4 - 5	WOMBEGAN	Denis Ward	6442497 (H)
		First trip to this fascinating area for several years. Get in now,		
August	11	JENOLAN CAVES HISTORICAL AND PRESERVATION SOCIETY		
		Annual General Meeting in the Ballroom of Caves House.		
	11-12	JENOLAN	John Dunkley	7599956 (H)
	11-12	CLIEFDEN	Keith Oliver (H.C.G.)	6231768 (H)
	(sometime)	COOLEMON	Ludwig Muenzenrieder	4282034 (H)
		Attempt to get in by 4 wheel drive. Geomorphology etc. & fun in the snow		
	25-26	BUNGONIA	SUSS is organizing another public inspection of the area to raise public support. For details ring	
	26-28	JENOLAN (tentative)	John Dunkley	7599956 (H)
	28	EISRIESENWELT	Jeanette Dunkley	7599956 (H)
		Direct flight to Munich thence by train. Definitely limited trip.		
	30	OLMOUC	Jeanette Dunkley	7599956 (H)
		Sixth International Congress of Speleology followed by lots of caving.		
September		TRIP LEADERS TRAINING COURSE		
		Further details of this in the next Bulletin. Leader wanted.		
	30-31-	CLIEFDEN	Denis Ward	6442497 (H)
Oct. 1		Pushing for 2 miles in Taplow Maze? Grovelling in Cliefden Main?		
November	10-11	JENOLAN	Bruce Welch	991013 (H)
		Mammoth Cave - attempt to follow up Waterfall Passage. Possibility of big discoveries but hard work required.		

Members wishing to go on trips to Jenolan, Wombegon and Cliefden are reminded that parties are strictly limited by the controlling authorities to 12, 12 and 15 members respectively. Ring early and if you later cannot go, please be good enough to let the trip leader know so that others can be accommodated.

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twin shaft saddle joins this passage about halfway along. The passage rises over a number of step like breaks in slope and then runs horizontally until a constriction is reached making movement difficult. It is hypothesised that this passage formed a second entrance to this cave at one stage and to this extent it will be of great interest when the relative surface levels are obtained.

The bottom of the cave is also marked by the considerable amount of breccia that has fallen from the roof and walls either through shearing and spalling or by slumping and sliding. The material ranges from 2cm. up to 500 cm. in size and is highly angular with a general elongated character. No sign of any rounding was observed which might have indicated the presence of a stream bed. If there ever was one it must be buried well below the breccia.

Summing up, it can be said that this cave had essentially a solution origin caused by water penetrating either a joint or a fault and subsequently aided by further solution and sliding and slumping down the dip slope. It is no longer developing in an active form and may be said to have reached a mature stage in development, the latter proposition is evidenced by the dry formations and accumulation of breccia at the bottom of the cave in the absence of a removal mechanism.

L.G.M.

R E C O R D S

Caves Creek TALBINGO 22/8/58 to 26/8/58.

Adrian Hunt.

The eastern end of the valley was examined, and the limit of the limestone was determined. This is met about a third of a mile NE of the creek influx. Several cave entrances await examination. Hedenbergik (Diopside) occurs again at this end of the valley, with granite visible just beyond.

While this valley is limited in extent, aerial photographs reveal more limestone with sinkholes to the South East. This was on the programme for this trip, but the adverse weather conditions prevented any work being carried out except on the afternoon of arrival.

In low visibility, such as was encountered on the walk out from the valley, persons without experience in the area could well become lost, especially if without a compass. This fact should be borne in mind by trip leaders.

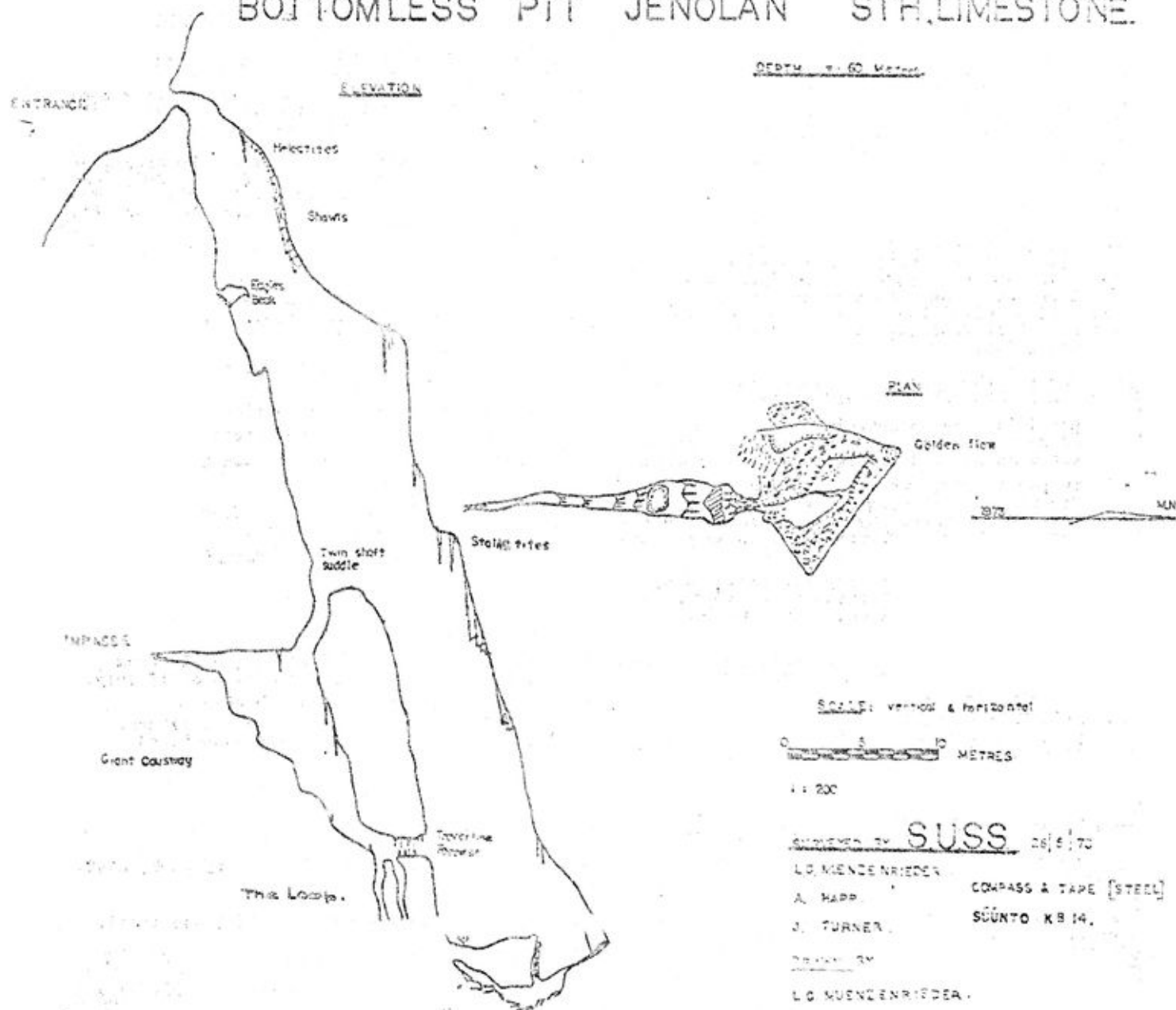
In case of emergency, some tinned food and carbide is cached under the large log on the open camping area immediately downstream from the creek influx.

No caves were entered because of rain etc.....

Is anyone prepared to lead a trip to this area ?????????? If YOU do than contact the Editor of this Bulletin and we will advertise it for you to ensure plenty of starters.

Ed.

BOTTOMLESS PIT JENOLAN STH. LIMESTONE.



FIRST AUSTRALASIAN CONFERENCE ON CAVE TOURISM

* (Only \$5 for non-residents
Ring 7599956 for details) *

JENOLAN CAVES, N.S.W.,
10-13 JULY, 1973

Venue, Accommodation, Transport

The Conference will be held in Caves House, Jenolan Caves, New South Wales, about 120 miles west of Sydney. Single, twin and double room accommodation will be available in rooms with or without private facilities.

Transport for participants will be arranged from Sydney Airport on Tuesday 10 July and returning on the morning of 13 July. The first Conference session will be on the evening of 10 July.

Programme

Full details of the programmes are being arranged, and at this stage the following sessions appear likely:

- Review of Australian Cave Tourism
- Cave Tourism around the World
- Cave Tourism and Conservation
- Cave Tourism and speleological exploration

Other aspects of the subject which are likely to be explored include

- Recreational Geography and Economics
- Practical Aspects of Design and Development
- Development of Ancillary Facilities

Conference Fee

The Conference fee will cover:

- Full accommodation including meals from dinner on 10 July to breakfast on 13 July.
- Luncheon at Katoomba on 10 July
- Transport Sydney to Jenolan and return.
- Conference Proceedings and associated publications

The First Australasian Conference on Cave Tourism will be held at Jenolan Caves House from 10-13 July, 1973. Organized under the auspices of the Australian Speleological Federation, with the assistance of the NSW Department of Tourism, this Conference has as its objectives:

To assist the further development of cave tourism in Australia, specifically by

- a) providing an opportunity for the exchange of knowledge and experience between all those involved in Australian cave tourism.
- b) in particular, to provide an opportunity for the wide sharing of the experience and knowledge gained by Roy Skinner in the course of his Churchill Fellowship study tour during 1972.
- c) Providing an opportunity for those involved to discuss and determine methods of future cooperation, liaison, or sharing of experience.
- d) encouraging harmony between responsible speleological groups and cave operators and administrators.
- e) stimulating an awareness in the general public of the specialised nature of caves as recreational areas.

Preliminary Enrolment Form

Forward not later than 31 May, 1973, to Mr J. R. Dunkley, 22/53 Alice St, Wiley Park, 2195. Make cheques payable to "Australian Speleological Federation".

Please enrol as provisionally as a Participant in the First Australasian Conference on Cave Tourism:

NAME

ADDRESS

Please tick FORM OF ACCOMMODATION required (essential):

Single room with private facilities (\$64.50)

Single room without private facilities (\$55.50)

Double room with private facilities (\$58.50)

Double room without private facilities (\$49.50)

Do you require transport from Sydney? YES / NO

NOTE: A deposit of \$3 per person enrolling MUST accompany this preliminary enrolment. Write separately if you do not wish to damage your Newsletter. However, it is essential to indicate form of accommodation required before 31 May.

* ONLY \$5 FOR NON-RESIDENTS - RING 7599956 FOR DETAILS
(Including Proceedings)

TIMOR CAVES

Ian (Spike) Milligan

The caves of the Timor area can be divided into three groups:-

- 1) Isaac's Creek (commonly known as Timor Caves)
- 2) Isis River
- 3) Crawney Pass

8

They are formed in a massive blue-grey Devonian limestone, which crops out over an area approximately seven miles long (N. to S.) and three miles wide. The structural feature of the area is the Timor Anticline trending N 20deg. W. The Isis River flows longitudinally through the limestone while Isaac's Creek and Oakley cut across it in the South and North respectively.

Isaac's Creek Caves (Those commonly referred to as Timor Caves)

These caves are situated in rolling to hilly cattle and sheep country approximately 24 miles east of Murrumbidgee (Upper Hunter Valley). The distance from Sydney is about 240 miles via Newcastle. Alternative routes could be the Putty Rd via Colo, or through Central Mangrove and Wollombi. There are 5 main caves and several smaller caves and pot holes. Most of these are developed on a steep high ridge immediately west of the creek.

IC-1 Main Cave: Composed of one large dry chamber- 40 m.x 15m.x9m. high with some very large but dead formation. There are also several minor side passages (CO₂). Badly vandalised and situated high on the ridge.

IC-2 Belfry Cave: Once a showpiece but has been badly vandalised; however some formation still exists in the more remote sections. A dry, dusty entrance chamber leads, via a squeeze to the right, to a more active system. Squeeze to the left lead to a rift dominated system.

IC-3 Shaft Cave: Consists of a single chamber with two entrances- one very tight, the other a seven meter pitch. The base appears to be directly above a boulder choke in Belfry Cave.

IC-4 Helictite Cave: This small cave (passage length 70m.) is divided into a dry entrance chamber and a more active side passage. The side passage contains many small helictites coating walls and roof with cave coral low down. Unfortunately this has been badly vandalised.

IC-5 Hill Cave: (Far Cave) This appears to be the only significant cave that hasn't been badly vandalised (at least it wasn't three years ago) It is on the eastern ridge. It has a dry entrance system dropping down into a series of small (6 x 5 m.) chambers connected by squeezes. Decoration is quite good in places.

Camping: A good camping area exists although left untidy by tourists, private (vandal?) cavers etc. It is advisable to bring your own water as Isaac's Creek is often low and it is sheep country.

Isis River Caves: The only reported cave is Glen Dhu cave (Woolshed or Allstop)- a series of connecting chambers.) cont'd

Crawney Pass

About 4 caves are developed in limestone on the First Crawney Reserve for travelling stock about ten miles SSW of Mundle. They have vertical entrances with limited horizontal development. Three are numbered:-

C-1 4 m. pot- virtually no horizontal development

C-2 Suicide Hole 5m. pot. 30m. of passage High Co₂ concentration.

C-3 Bone Cave 7m. pot. 30m. of passage. Some formation.

References 1. A.S.F. Handbook

2. Cave Annual 1 1963 (NTUCSS)

3. New England Tablelands. UNE Mountaineering Club 1971

4. SUSS Newsletter 16(5):4 1966 D.Drummond.

THE BURNING MOUNTAIN
MT. WINGAN

This unique phenomenon occurs 2 to 3 miles off the New England Hwy north of Scone. A road has recently been put in at least part of the way. Here a coal seam is burning at depth and hot sulphurous gases emanate from the surface. Fragile sulphur crystals and small stalactites of unknown composition are deposited from the fumes on the underside of rocks. The ground is quite hot and the soil and rocks baked hard. Faults have formed where the ground has subsided after the coal seam was burnt away. Fissures several feet wide descend for unknown depths and the path of the fire can be traced in excess of half a mile by these and the baked nature of the ground.

Further Reading: Bill Beaty "Unique to Australia"

I.(S.)M.

HOW TO TINT YOUR OVERALLS

If you're driving through a caving area and happen to see what appears to be a group of coloured Easter eggs moving across the field to a cave, don't be alarmed. It is only SUSS. This new fad of brightly coloured overalls is rapidly gaining popularity- ask John Dunkley!!! To the conservative caver this may seem a bit frivolous, but don't be deceived by our outward gay, madcap appearance. Inwardly, we're still just as serious and dedicated as we ever were.

Actually, colour coding is important. By this method, an individual can easily be identified from a distance. (The advantages of this will gradually become more apparent to you). Photographic types, of course, will benefit greatly by a splash of colour in bright red, perhaps.

Until now cavers have accepted without question the stereotyped conception of cave clothing. Because it seemed to be expected of them, they dutifully and unnecessarily attired themselves in unimaginative and certainly unflattering outfits. Skiers, climbers, swimmers all dress themselves attractively for their sport. Why should we, just because we go underground, assume the appearance of something that just crawled from under a rock.

For those of you who haven't made the transition, I'd suggest that you hurry

and choose your particular colour while there is still a large selection. Sorry, but orange, jungle green and cowardly yellow are taken, but there is still shocking pink, electric blue, and many others.

Add a little wow to your life- by dyeing!

With apologies.....

Dottie Patten.

The Baltimore Grotto
Newsletter.
Vol.IV No.5,p.73.

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Cautionary Tales

Chelsea Speleological Society
Newsletter.Vol14 no 2

1. Rawbolt Jim was a careful lad,
A caver to be admired,
He never took chances in sumps and rifts
And never appeared to get tired.
Alas, one day, he had a mishap
Whilst descending a difficult pot
For though grannies and reefs came easily,
Bowlines they never did knot.

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

SANTA-CLAUSTROPHOBIA - by our Science Correspondent

The syndrome of Claustrophobia (the fear of confined spaces) has been a problem to some would-be cavers, since the sport began, yet little is known of the causes or prevention of this condition. Freud suggests that fear derives from the unpleasant memory of being squeezed through the uterus at birth. Whether this experience is pleasant or unpleasant is disputable but the birth trauma is usually considered to be the fear engendered by the first encounter with light and noise. Therefore, the birth experience should cause people to dive back into small holes rather than avoid them.

A less exotic view of claustrophobia is that it is a learned fear.e.g. a curious child is accidentally shut in a cupboard and panics.In future years the same anxiety occurs whenever he is confined in a small space,even though the original episode is forgotten .If this is true, a cure may be attempted for a would be caver/claustrophobic. by first exploring a cave with a large chamber near the entrance (e.g.Mammo th) and doing pleasant things in it (ie drinking Green Ginger and listening to pre - recorded Goon Shows). The size of the passages explored is gradually reduced until the pleasant association (GG & GS) outweigh the unpleasant associations and a cure is thus achieved.

The most modern theory about claustrophobia is that it is a symptom of anxiety inherent in everybody. This is a depressing thought because if the above cure succeeds, the patient (?) will then develop a fear of spiders, heights, and open spaces etc.

Cont...

A different sort of claustrophobia may occur when a competent caver with no irrational fear of small places is stuck in a small squeeze. The panic that occurs appears to be caused by the pressure on the chest, making breathing difficult- which causes struggling and breathlessness and so on in a vicious circle. So if anyone is unfortunate enough to become stuck, the best cure is to relax completely and breathe by using the stomach and lower chest muscles. Diligent pulling and pushing and tearing off clothes by companions almost always frees the victim.

In conclusion, it should be possible to contract both types of claustrophobia, but prevention is better than cure, so don't go down caves if lifts and tube trains make you weasy and don't go head-first down 45 degree tight holes with your arms behind you.

REFERENCES :

- 1) Sigmund Freud, Interpretation of Dreams.
- 2) Eskimo Nell, Chapter 6, verse 128.
- 3) J. Christ. (Super Speleo) personal communication.

Beryl Star.
Chelsea Speleological Soc Newsletter.
Vol 14, No 2 December Issue.
Pp 24 to 25.

A RECENT HISTORY OF LIMESTONE MINING IN BUNGONIA GORGE

A.P.C.M.(A)'s Quarry in Bungonia Gorge

Since 1940 the view north from the Bungonia Lookdown on top of Troy Walls, has been steadily defaced by the appearance of mining and spillage. The A.P.C.M.(A) quarry has been developed steadily since then and now looms, large and revolting, with rivers of spillage reaching from the quarry to Bungonia Creek, 1100 ft. below.

The Warden's Enquiry

Not satisfied to merely devastate the scenery, in November 1971 A.P.C.M.(A) applied for a Special Lease to enable them to mine a large part of it. A Mining Warden's Inquiry was convened to hear objections as a result of which the Warden rejected the Company's proposals in finding: "that the public interest in preservation of scenic aspects and recreational uses outweighs the public interest in the mining of the area, having regard to the everlasting impairment of the environment as compared with the short term benefits of mining...."

A compromise (between mining and no mining) put forward by Dr. Branagan received favourable comment "...I find that any mining in the area should not extend beyond the limits proposed by Dr. Branagan".

cont'd

The State Pollution Control Commission

Five days after the Warden delivered his recommendation to the Minister for Mines, State Cabinet referred the matter to the State Pollution Control Commission (the advisory body to the Department of Environment).

The Commission refused to divulge its terms of reference, or to advise whether submissions from objectors would be admitted. The Environmental Impact Statement has been available for limited inspection only at the Department of Environment Control but no copying is allowed and it has effectively been kept from expert scrutiny.

The Commission secretly accepted a new proposal from A.P.C.M.(A) and on the 13th April recommended against the Company's original Q3 proposal but in favour of this new proposal Q8 (closed).

In response to pressure from the National Trust and others, an advertisement in the newspapers on May 2nd advised that Q8 (closed) existed, and although it had already been recommended by the Commission it was available for public inspection and comment. The Bungonia Committee produced a pamphlet urging people to comment prior to May 18th although NO CLOSING DATE FOR COMMENT WAS MENTIONED.

On 18th May, I wrote to the Minister for Environment Control, saying "... (as) no deadline is given for lodgement of comment I shall endeavour to submit my comment as soon as possible after (May 18) but would appreciate your ADVICE SHOULD A DEADLINE EXIST."

The Commission met again on May 25th and endorsed their original recommendation in favour of Q8 (closed). On May 28th Mr. Beale wrote to me: "I note that your (The Bungonia) Committee is still considering this matter. It would be appreciated if your comments in this regard could be forwarded as soon as possible."

WHAT FOR ? I might ask, as the Commission had already reached a decision.

On June 4th Mr. Beale issued a Press Statement advising that the Commission had endorsed its original recommendation for Q8 (closed), A.P.C.M.(A)'s scheme and that there would be no public inquiry.

The irony of the situation is that the Mining Warden held a public inquiry under an act to provide for mining and found expansion of mining beyond certain limits was not in the public interest. Then the State Pollution Control Commission held a closed inquiry under an Act which established it to protect the environment "from defacement, defilement and deterioration" and failed to endorse the Mining Warden's finding.

WRITE TO EVERYONE WHO'S ANYONE

BUNGONIA NEEDS YOU NOW AS IT NEVER DID BEFORE

Warwick Counsell

DONT FORGET THE SUSS DINNER.....

DONT FORGET THE SUSS DINNER.....

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S.U.S.S. TWENTYFIFTH ANNIVERSARY

DINNER

TUESDAY, JULY SEVENTEENTH, 1973

Celebrating the founding, in
 1948, of the Sydney University
 Speleological Society.

HOLME AND SUTHERLAND ROOMS

6.30 pm

Charge : \$4.50 single,
 \$8.00 double.

Please contact Chris Fieldhouse
 765028 or Louise Holliday 463708

DRESS : Reasonably Formal(ie, at
 least clean trowsuits.)

Please ring the contacts immediately
 so that numbers can be determined.

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