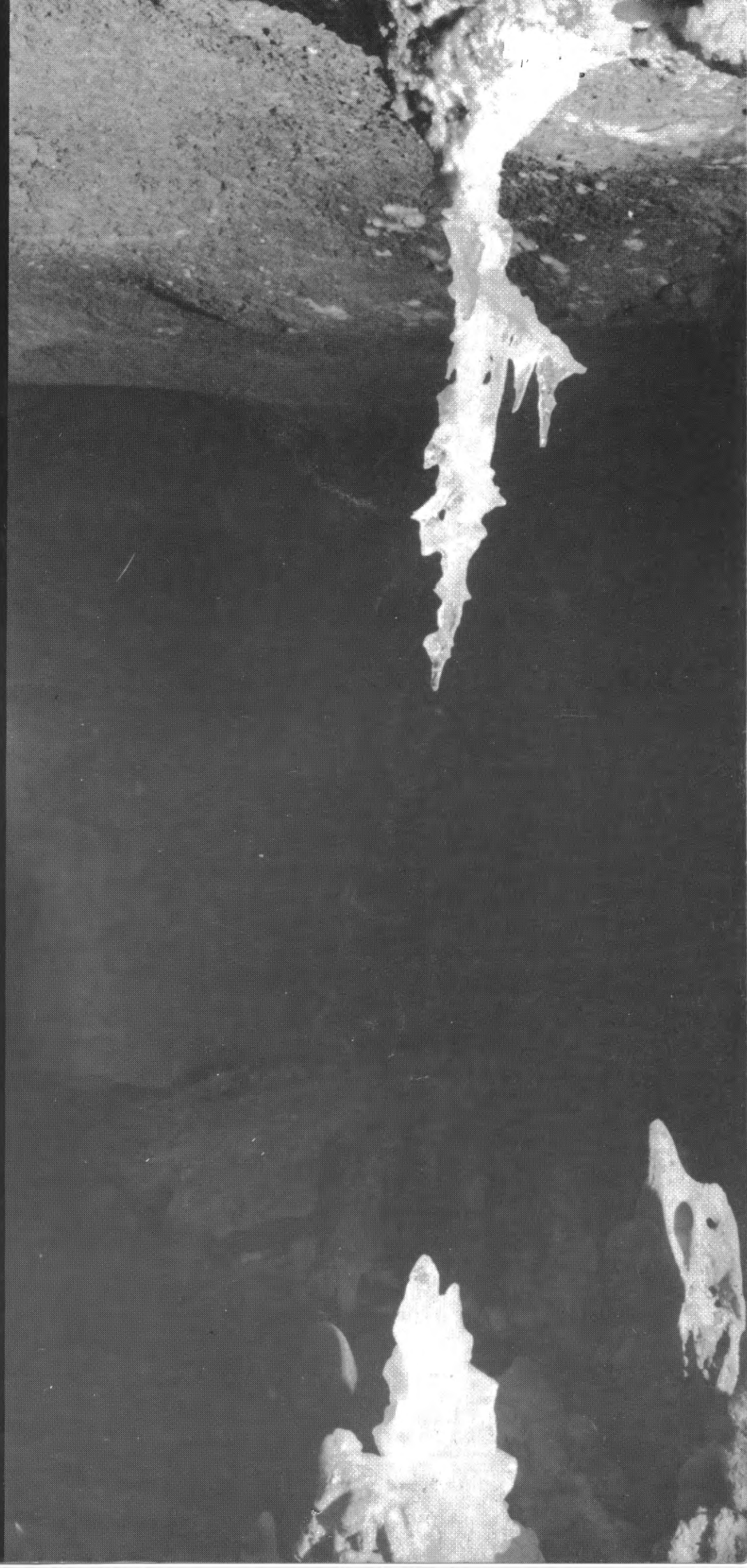


AUSTRALIAN  
CAVER  
NO. 135  
1993

MEMBERS  
MANUAL  
AND  
ANNUAL  
REPORT





FIDEL CASTRO



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if you are attending the BBQ,  
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<b>Front cover:</b> Thampana Cave. Nullarbor. Photographer: Ken Boland.	
<b>Back cover:</b> Leigh Douglas on the Shoelace Pitch, Warhol Cave JF 392. Photographer: Nick Hume.	

## EDITOR'S NOTE

This issue is meant to be a reference manual for ASF members, enabling them to know how the ASF works, what its commissions do, how they can contact those sections and individual cavers.

For further information on the ASF contact:

P.O. Box 388  
Broadway. 2007 N.S.W.  
(03) 890-8319

## Benefits of Joining the Australian Speleological Federation

Keeps cavers in contact with each other throughout Australia and overseas.

Maintains a comprehensive Karst Index data base from which information is available to members.

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Access to a library with the largest collection of books on caving and related topics in Australia.

Produces the quarterly national newsletter *Australian Caver*.

Runs and supports national and international caving trips.

Lobbies on behalf of its members, in particular on access and environmental issues.

Organises biennial conferences.

Sponsors speleological projects.

Acts as a consultant in cave and karst management.

**TO JOIN THE ASF  
and any of its member clubs  
contact:**

**Membership Secretary  
Kelr Vaughan-Taylor  
P.O. Box 388  
Broadway. 2007 N.S.W.**

This issue was put together on a full moon with the next door neighbour's dog howling at it.

My thanks to, Tania Wilson for the graphics, Steve Brooks and Randleigh Webb for the membership listing sections. To the Convenors of Commissions for getting reports to me so promptly.

To the clubs who are the ASF for their responses to my requests for information.

Heiko Maurer for proof reading and the e-mail contract.

Andrew McHugh for advice on printing.

Editor: Clare Buswell

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c/- Sports Assoc., MACQUARIE UNIVERSITY, 2109

Contact: Lucinda Coates (02) 888-5686 hm

Printed on 100% recycled paper.



# STRUCTURE OF THE ASF

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The Australian Speleological Federation was formed in 1956 at an inaugural conference hosted by the Cave Exploration Group of South Australia (CEGSA). The founding member clubs, about twelve in number, saw mutual advantage in having a collective organisation to promote areas of common interest and provide a national voice for Australian Speleology.

## Aims

The aims of the Federation as embodied in its constitution are:

To safeguard the karst heritage of Australia.

To foster speleology in all its aspects.

To bring together persons interested in caves and karst and the attainment of the Federation's aims.

To represent, at all levels, persons interested in caves and karst in Australia.

## Membership

There are three types of membership:

1. Corporate Members are clubs and Societies whose primary activity is caving and speleology. Corporate members are also required to subscribe to the Federation's aims and constitution. There are currently twenty-seven corporate member clubs and societies from all Australian states and territories.

2. Associates. This level of membership provides for organisations who have an interest or involvement in caves and karst but where it is not their primary activity. Prospective Corporate member clubs may join initially as Associates.

3. Individual members are defined as the members of corporate member societies. Other interested persons may apply for individual membership. This latter provision was created particularly to accommodate persons with a strong interest or involvement in Australian caves and karst but who for professional or other reasons, were not members of a corporate member society.

## Organisation

As a federation of autonomous clubs and societies, the ASF is fundamentally different from national bodies such as the National Speleological Society (NSS) in the USA, or the New Zealand Speleological Society (NZSS). The functional

organisation of the ASF is depicted in Figure 1. Government of the Federation's activities is by the Council made up of councillors from the corporate member clubs and societies. The number of councillors from each organisation is determined by the number of full members who pay an annual capitation fee to the ASF. The Council meets annually.

Operation of the Federation is by a nine member executive who have the power to act on behalf of the council to carry out the business of the Federation in line with its stated aims. Most of the ongoing work of the Federation is performed by commissions and committees. The former are normally long term activities whereas the committees carry out shorter term assignments and are then disbanded. There are ten commissions and three ad hoc committees.

## Conferences

Since the inaugural conference in Adelaide in 1956 the ASF has held biennial conferences at which cavers and speleologists from Australia and further afield can meet, share experiences and hear papers on subjects ranging across the full spectrum of interests. The conferences typically include formal presentations of papers and workshop sessions together with both organised and informal socialising. Conferences are hosted and organised by individual member clubs or groups of clubs. Pre and post conference trips to local caves and karst areas are offered. "Speleosports" has become a popular event for cavers to test their skill over a simulated cave obstacle course.

## Miles Pierce

Material for Australian Caver can be sent to the Editor in many formats:

Hand written and typed manuscripts must be double spaced.

Disks: please send in ASCII, 3 1/2 or 5 1/4 Macintosh or IBM.

Pack your disk in an Australia Post Disk Box so that it won't be damaged. Always include a hard copy of the article with the disk.

Material should be sent to Clare Buswell  
c/- Politics Department Flinders University  
Bedford Pk. S.A. 5042

Fax: (08) 201-3622  
or via email: [heiko@ist.flinders.edu.au](mailto:heiko@ist.flinders.edu.au)

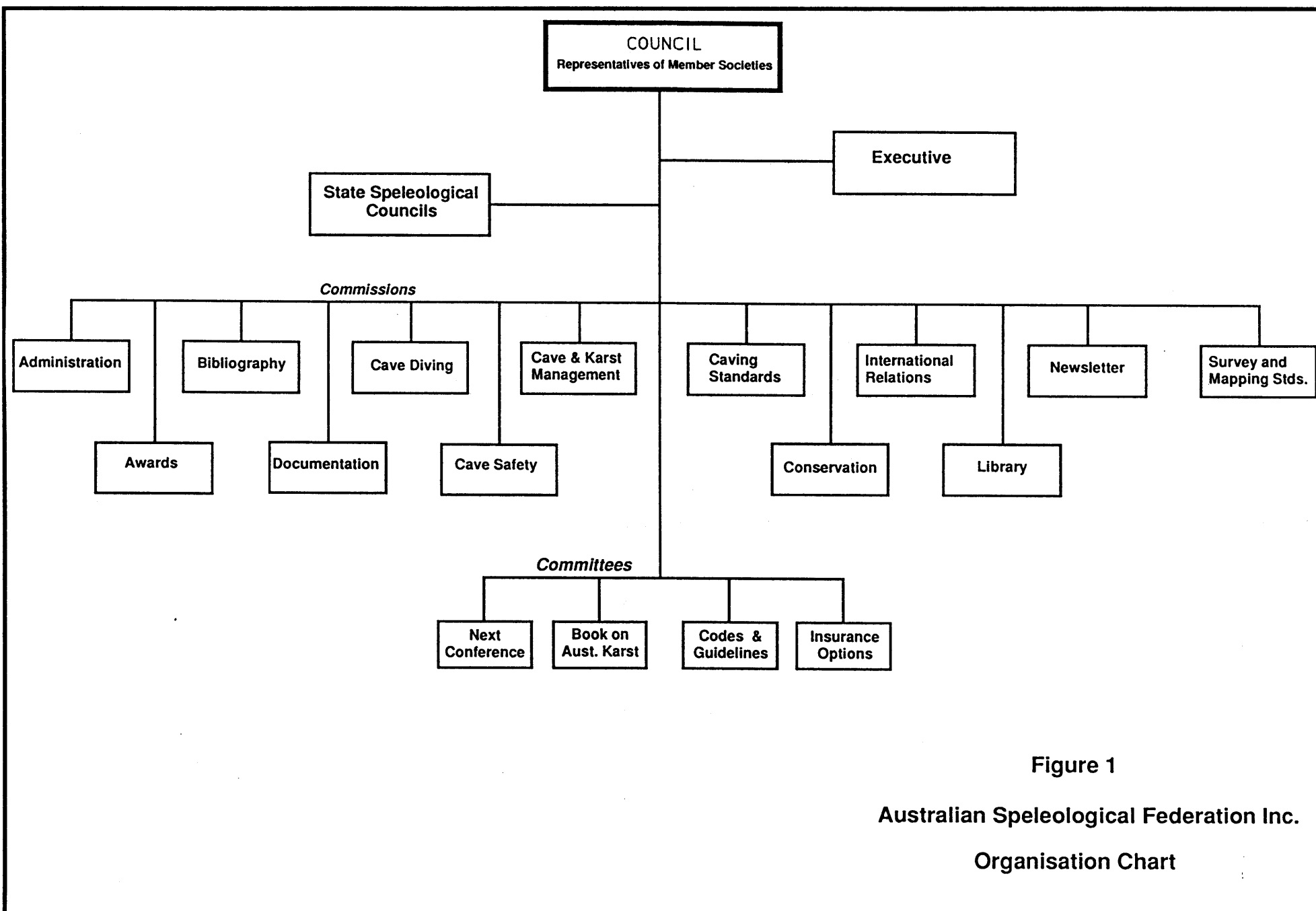


Figure 1

Australian Speleological Federation Inc.

Organisation Chart

# DEPARTMENT OF THE EXECUTIVE

## EXECUTIVE COMMITTEE MEMBERS 1993

<b>President</b> Miles Pierce 42 Victoria Cres, MONT ALBERT 3127 (03) 890-8319	<b>Clare Buswell</b> PO Box 131, NAIRNE 5252 (08) 388-6685	<b>General Secretary</b> Chris Dunne PO Box 388, BROADWAY 2007 (02) 7737562	<b>Co-opted members of the executive.</b>  Peter Kraehenbuehl 10 William St, PROSPECT 5082 (08) 344 1426
<b>Senior Vice-President</b> Pat Larkin 2/4 McLeod St, MOSMAN 2088 (02) 960-4726	<b>Stuart Nicholas</b> 7 Rupert Ave, NEW TOWN 7008 (002) 28-3054	<b>Executive Secretary</b> Karen Magraith 126 Tiwi Gdns Rd TIWI. 0810	<b>Mike Moylon</b> C/- P. O. CHILLAGOE 4871 (070) 947153
<b>Vice-Presidents</b> Peter Berrill PO Box 6343, ROCKHAMPTON MAIL CENTRE 4702 (079) 34-2870	<b>Keir Vaughan-Taylor</b> 43 Western Cres, GLADESVILLE 2047 (02) 816 5210	<b>Treasurer</b> Brendan Ferrari 122 Hawke St, WEST MELBOURNE 3102 (03)329-0479	

## REPORT OF THE EXECUTIVE FOR 1993

This report covers the period from January to November 1993, and is intended to summarise the activities of the executive and the Federation at large.

Two executive meetings were held during the year, supplemented by telephone and written communications between individual members of the executive and with commission convenors and members clubs. The first executive meeting in May was held in Rockhampton to coincide with the tenth ACKMA Conference. The latter part of this meeting was attended by members of the ACKMA executive during which useful discussion took place on matters of mutual interest. There was a consensus of the value of closer co-operation between the two bodies and ideas for interaction were canvassed.

Members of the ASF executive and other cavers from a number of ASF clubs participated in the ACKMA conference from 18th - 22nd May. The President, Miles Pierce, presented a well received paper outlining the background, organisation, achievements and challenges of the Federation with particular reference to matters of

relevance to ACKMA. At the Annual General Meeting of ACKMA, held during the conference, the concept of closer co-operation between ACKMA and the ASF was endorsed. The meeting also created the position of ASF Liaison Officer and elected Ernst Holland as the first incumbent. It was also decided to aim to have regular columns in each other's Newsletters. In all, the interaction with the ACKMA executive and members during the conference was very positive and opens the way to maintaining a fruitful ongoing liaison. The two bodies have differing perspectives, membership bases and structure and will not always agree. However, there are many areas of common interest where co-operation can offer mutual benefit. It is now up to both organisations to maintain the positive momentum from the Rockhampton conference.

A report on the Rockhampton executive meeting appeared in issue No. 134 of *Australian Caver*. Whilst in Rockhampton, the President formally presented the first ASF Award of Distinction certificate to Norm and Doreen Pershouse in recognition of their long term support to cavers and karst preservation during the protracted Mt. Etna

## DEPARTMENT OF THE EXECUTIVE

conflict. The presentation was made at a gathering of CQSS members and visiting cavers.

In July a meeting took place in Melbourne between the Director of the Cave Diving Association of Australia (CDAA), executives of the ASF and representatives of the South Australian and NSW Speleological Councils. The meeting canvassed issues of national and individual state concern, and was characterised by a general willingness to reach a mutual accommodation where practicable. At the national level, a written memorandum of agreement provided for ASF and CDAA to recognise the current protocols in place for caving and cave diving in Australia, and for the two organisations to set up a joint working group. The proposed working group was charged with the task of developing an agreed set of common caving and cave diving standards and ethics; developing procedures for acknowledging alternative cave diving qualifications and establishing procedures for future protocol arrangements.

The meeting with CDAA overcame the previous stalled relationship and will hopefully see greater co-operation and understanding between ASF and CDAA. Establishment of the working group is progressing and it is hoped that results will materialise early in 1994.

Also on the subject of cave diving, the federation has been

approached by IANTD Australia Pty Ltd seeking recognition of the IANTD cave diving training program. At this stage formal recognition has been deferred in favour of acknowledging their existence and the international standing of IANTD. The Federation's Cave Diving Commission will advise on further recommended action by the Federation in due course.

At the Launceston council meeting in January 93, the Federation adopted a proposal put forward by Elery Hamilton-Smith to investigate the publication of a book on Australian karst studies in honour to the late Joseph N. Jennings. Support for the proposition from prospective contributors has been very positive. An outline and format have been developed and discussions are continuing with MUP as a potential publisher on behalf of the ASF.

Following the adoption of the proposal for a national caving leadership scheme at the Launceston meeting, the National Caving Standards Commission under Alan Jevons has continued to develop the scheme. Representatives from caving clubs and ASF State Speleo Councils have attended state based meetings of the National Outdoor Recreational Leadership Development Scheme (NORLDS), culminating in a national meeting in Adelaide in October. The Federation has maintained an active involvement with NORLDS. Further details of progress and current proposals

Cont'd p.8.

*ASF. EXECUTIVE AT WORK...*



# DEPARTMENT OF THE EXECUTIVE

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will be present in the report by the National Caving Standards Commission.

The question of public risk and potential legal liability of caving clubs and their committees and members is of increasing concern. Alan Jevons has been pursuing insurance options on behalf of the ASF and has sought information from member clubs. This issue will be addressed further at the January '94 council meeting. It is pleasing to report that the Exit Cave/Benders Quarry issue which was the subject of intensive representation by the ASF and others during last year has been satisfactorily resolved. Quarrying has ceased and rehabilitation is progressing. An ASF organised survey project in Exit Cave and Little Grunt in December/January 93 helped to define the underground drainage from the quarry area into Exit Cave. A further survey project in Exit cave under the auspices of the ASF will take place over the 93/94 new year period. Another very notable development has been the recent announcement by Central Queensland Cement that quarrying at Mt. Etna will be greatly reduced from early next year.

Although significant caves and karst have been lost, the news indicates that further losses will be avoided. Many ASF members contributed to the Save Mt. Etna Campaign,

some at great personal cost. A great tribute is due to the unflagging efforts and commitment of Craig Hardy, the ASF's Queensland Conservation Convenor. Unfortunately for the Federation, Craig will be relocating to New Zealand at the end of the Year.

Also on the cave and karst conservation theme, the minimal impact caving working group which was set up at the Launceston council meeting under the convenorship of Rauleigh Webb, has produced a draft Guideline Document. This will be circulated and discussed at the January '94 council meeting (see pages 24-25 of this journal). A number of ASF members attended the International Union of Speleology (IUS) congress in Beijing in July. The Federation was formally represented by Dr. Julia James and John Dunkley. Congratulations are due to Julia who was elected to Senior Vice President of the IUS.

More details of some of the above mentioned activities and other work on behalf of the Federation will be given in the reports of Convenors and other officers. In all, the Federation has been busy on many fronts during the year on behalf of its members. New challenges continue to confront caving activity and the integrity of caves and karst which ASF and its members must address.

**Miles Pierce for the Executive**

## ADMINISTRATION COMMISSION

Convenor: Lloyd Mill

The Administration Commission is responsible for maintaining an up to date Administrative Handbook. The book contains the constitution of the ASF, the terms of reference for the executive, the commissions, policy statements of the ASF, guideline documents for the preparation of conservation submissions to government agencies, and pro forma agendas for the Federation. The Admin Handbook is designed to help corporate members and associates of the Federation, ASF officers and convenors of commissions not to have to re-invent the wheel. The Admin Handbook was last published in 1985.

### Past Presidents of the ASF

Compiled by Chris Dunne

Brian O'Brian 1956-58  
Joe Jennings 1959  
Elery Hamilton-Smith 1960  
Warren Peck 1961  
Elery Hamilton-Smith 1963-65  
Roly Webb 1966-70  
Elery Hamilton-Smith 1971-74  
Nick White 1975-78  
Ken Lance 1979-82  
John Dunkley 1983-85  
Lloyd Robinson 1986-92  
Miles Pierce 1993-

### Past Presidents of the ASF



# AWARDS COMMISSION

Convenor: The President of the ASF

There are three tiers of awards given by the ASF. The first tier consists of the Edie Smith Award and the Fellowship of the Federation. The second tier is the Certificate of Merit and the third tier consists of Special Awards: Award of Distinction, Cavellife Award (for photography), and Caving Equipment (for published excellence).

The Edie Smith Award was established in memory of Edie Smith who was a distinguished pioneer of Australian speleology, a life member of the Tasmanian Caverneering Club and the first women president of an Australian speleological society, the Canberra Speleological Society. The award is given for outstanding service over a long period of time, to Australian speleology. It is awarded biennially.

The Fellowship of the ASF is given for outstanding service over a long period of time, to the Federation. It is awarded biennially.

## Award of Distinction.

This award was established in 1993 as it was felt that a need existed for an award that recognises those who have made a notable contribution to speleology by means which is outside of the normal caving scene.

### Fellows of the Australian Speleological Federation

Elery Hamilton-Smith. 1974  
Peter G Matthews. 1985  
Andrew Phillip Spate. 1987  
Nicholas White. 1991

### Edie Smith Award

Dr. Aola M Richards. 1972  
Edward A Lane. 1972  
Prof Joseph N Jennings. 1974  
Elery Hamilton-Smith. 1976  
Benjamin Nurse. 1978  
John R Dunkely. 1980  
Kevin Kiernan. 1983  
Vince Kinnears. 1983  
Albert Goede. 1985  
Barry Loveday. 1987  
Julia James. 1988  
John Bonwick. 1993  
Ernst Holland. 1993

### Certificate of Merit

Neil Montgomery. 1983  
Henery Shannon. 1983  
John Taylor. 1983  
Ian Lewis. 1983  
Andrew Spate. 1983  
Ross Ellis. 1983  
Julia James. 1983  
Lloyd Robinson. 1983  
Roy Skinner. 1983  
Bruce Dunhill. 1983  
John Bonwick. 1984  
R Michael Bourke. 1984

Colin Carter. 1984  
Stefan Eberhard. 1984  
Roland Eberhard. 1984  
Adrain Davey. 1984  
Greg Middleton. 1984  
Barry Moore. 1984  
Alan Warild. 1984  
Robert Woolhouse. 1985  
Ken Grimes. 1985  
Dr. John Watson. 1985  
Tom Robinson. 1985  
Les Pearson. 1985  
Members of the V.S.A. 1985  
Cathie and David Rothery. 1985  
Andrew Pavey. 1985  
Evalt Crabb. 1987  
Ron Allum. 1987  
Stuart Nicholas. 1987  
Grace and Don Matts. 1987  
Graham Pilkington. 1988  
Members of CQSS. 1988  
Paul Wilson. 1988  
Miles Pierce. 1988  
Alan Cummins. 1991  
Jacoba and David Lowry. 1991  
Lex Bastian. 1991  
Arthur Clarke. 1993  
Trevor Wailes. 1993  
Rauleigh Webb. 1993  
Norman Poulter. 1993  
Kevin Mott. 1993

### Award of Distinction

Doreen and Norman Pershouse. 1993

*Remember in  
this listing*  
*PS*

# BIBLIOGRAPHY COMMISSION

Convenor: Greg Middleton

The Bibliography Commission was set up at the ASF's 1970 Hobart conference. Its role is to compile indexes and or abstracts of all published information on Australian caves and to co-operate with the appropriate commission of the International Union of Speleology. The Australian Speleo Abstracts series is an invaluable reference source when trying to track down material which is often obscure and found in club libraries. The Bibliography Commission with the help of the Sydney Speleological Society has published ten issues of Australian Speleo Abstracts, the last being published in 1989. These published issues cover the 1970s.

Greg Middleton has been the Convenor since the Commission's inception and is currently trying to get on with the task of Abstracting the 1980s.

## Bibliography Commission Report

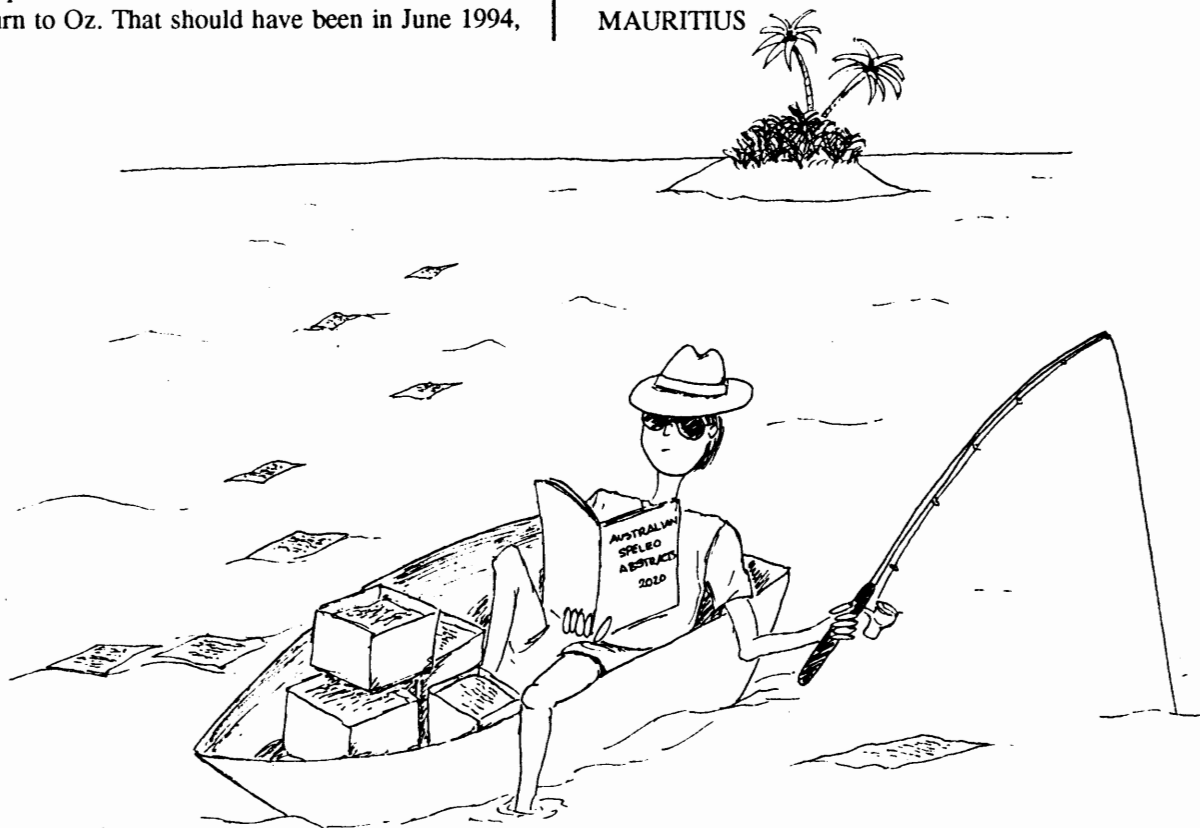
My invitation to cavers to contribute abstracts of their club journals, etc. duly appeared in 'Australian Caver 132' - it brought forth exactly one response, the same number as your personal letters produced! Adding those two to the four or five other people I felt I could rely on to contribute, just didn't produce a viable team I'm afraid. It might have been enough to give it a go if I had been back there with personal access to most of the material, but from here it would just not have been possible with so few contributors.

As a consequence, I have decided to defer the whole matter until I return to Oz. That should have been in June 1994,

but negotiations are now going on concerning a possible further year here [Mauritius]. That, I fear, will defer 'Australian Speleo Abstracts' yet again, but I can see no alternative.

If you are at all interested in Greg's work or in helping, write to him at:

Greg Middleton  
PO Box 1060  
Port Louis Centre  
MAURITIUS



# CAVING STANDARDS COMMISSION

Convenor: Alan Jevons

The ASF National Caving Standards Commission was established in January 1993 to develop the proposed ASF Caving Leadership Scheme. It has the responsibility of implementing and maintaining the operation of the National Caving Leadership Scheme. The Commission also works with National Outdoor Recreational Leadership Development in developing a competency based training scheme for the National Training Board.

## Report on NORLD, National Outdoor Recreational Leadership Development.

National Symposium. Adelaide 8 - 11 Oct., '93.

In Adelaide, recreationists from around Australia gathered again under the NORLD banner. Over 100 people set about achieving the symposium's objective to move further along the road to the development of national competencies in the current six chosen recreations, Bushwalking, Canoeing, Caving Rock Climbing, Cross Country Skiing and Rafting.

The ASF was there as national caving body with Alan Jevons, Rauleigh Webb, Nicholas White, Stuart Nicholas and Chris Norton representing our interests and ensuring our prominence in this important area.

Several outcomes of significance occurred at the conference: firstly, the ASF's position within this organisation can not be underestimated. We have been given the opportunity to develop competencies that will directly affect any organisation that will wish to train people in caving and this will flow onto the commercial sector as the public demands safer adventure activities provided by qualified personnel.

It was agreed (after a great deal of discussion) to adopt the Australian Standards Framework as the model on which to develop the competency standards. The main points of discussion centered on the lack of current usage of the framework in the recreation area, as it is currently used as an industry standard for such things as the trades, Engineering and Accounting, and how we are going to build into the competencies the "experiential" learning that all recreations believe is fundamental to our training. This is a challenge and only NORLD can ensure the changes in philosophy of the standard competency approach will occur.

The adoption of the above framework means that NORLD can now apply to the National Training Board (NTB) for recognition of the competencies developed as Recreation Industry Standards. During the conference we were surprised to find that the Australian Tourism Association had already commenced writing its own competencies for Adventure Tour Operators in all six of our recreations plus many more. I am happy to report however, that they have

now agreed to adopt those competencies written by ourselves.

NORLD has also made application and been accepted on to the Recreation Industry Training Advisory Board (RITAB). This is a tri-partite company that involves the government, unions and industry. NORLD holds one of two seats that represent the recreational industry, the other is held by a commercial representative.

Membership of this board allows access to the Australian National Training Authority (ANTA) which is the funding arm of the federal initiative for competency based training across Australia.

The participants of the symposium discussed in depth the future of NORLD and structure, if any, that was required to maintain and continue the work done. A national body will be established with recommendations that each state/territory form a branch. The national executive consists of one seat for each state/territory body, two for national activity groups, two for peak body groups, thus totalling 12 seats. Currently the only national activity groups are the Australian Canoe Federation and the Australian Speleological Federation, therefore I have been elected on to the national executive as an activity representative. Peak body groups refer to organisations such as the Scout Association, Anglican Youth Organisation, etc. The executive has already met three times by teleconference and an application for funding of operational expenses has been made to RITAB and to ANTA for funding of the six recreations in producing their competencies.

The ASF representatives were able to achieve the target of producing a draft list of competencies for caving. These competencies cover both the "soft skills" and "hard skills" of caving - from understanding the cave environment through to SRT. Whilst this list is not exhaustive it is a beginning and as other competencies are identified they can be added. The NTB will require bi-annual reviews of all competencies which allows for the updating of the knowledge and technology of the day.

# CAVING STANDARDS COMMISSION

According to a recent ASF club survey there are some 150 trainers with the ASF. I encourage all those interested in either the competencies or the club based training scheme to firstly contact the ASF representative in your state/territory then either myself or Peter Kraehenbuehl. Peter has been organising the piloting of the ASF club based scheme in South Australia and is up to date with the competencies developed at NORLD. NORLD has put the ASF in an active position within the training agenda for outdoor pursuits in Australia. If we opted not to be involved or not be as active as we are in our responses then somebody else

would be writing the rules and we would be fighting from the rear again.

**Alan Jevons.**

The members of the Caving Standards Commission are:

WA: Rauleigh Webb.

Victoria: Nicholas White.

Tasmania: Stuart Nicholas.

NSW: Chris Norton.

SA: Peter Kraehenbuehl.

## CAVE AND KARST MANAGEMENT COMMISSION

Convenor: John Dunkley

The Cave and Karst Management Commission is responsible for gathering of information on recent cave and karst management practices, liaison with management authorities and any other functions that may assist to develop the standards of cave tourism and management in Australia. In the past it has held numerous cave and karst management conferences, and it was from these that the Australasian Cave and Karst Management Association was formed.

Most recently the Commission has been working on the development of tourist caves in Thailand as well as maintaining input into management plans for karst areas in Australia.



# CONSERVATION COMMISSION

The preservation of caves and karst is the foremost aim of the Federation. Its Conservation Commission is charged with the of monitoring conservation issues and assisting individual societies or state groups with conservation action. The Federation is also able to bring a national perspective and imperative to local conservation issues and can facilitate marshalling of specialist and other resources to contribute a campaign. Notable cave and karst preservation conflicts in which the Federation has played an important part include Bungonia NSW, Mt. Etna QLD, Marble Hill/Exit Cave Tas, Yessabah and the recent Jenolan Development Plan. In view of the workload and geographic spread, this commission has a number of convenors with briefs for particular states or regions.

The Commission also acts as a clearing house for conservation information and undertakes survey of protective legislation in all states and territories to enable the ASF to have a comprehensive view of the legal status of the nations caves and karst.

## Conservation Commission Convenors

Arthur Clarke  
PO Box 245,  
NORTH HOBART 7002  
(002) 34-6270

Craig Hardy  
PO Box 1459,  
ROCKHAMPTON 4702

Keir Vaughan-Taylor  
39A Renwick St,  
DRUMMOYNE 2047  
(02) 819-7153

Rauleigh Webb  
428 Charles St  
NORTH PERTH 6006  
(09) 444-1020

## REPORT OF THE QUEENSLAND SECTION OF THE COMMISSION

### Ghost bat studies.

John Toop (Qld National Parks and Wildlife Service) is still continuing the studies into the genetics of the Ghost Bat. The Mitchell/Palmer colony is the only colony still not studied.

### Conservation Records.

CQSS and UQSS records of the conservation campaign for Texas Caves and Mount Etna are to be handed to the University of Central Queensland's CQ collection. The records will have controlled access and will be maintained in better location than CQSS can provide. CQSS is entering into a contract with the University to maintain ownership with CQSS and in the event of CQSS being wound up the title to vest in the Australian Speleological Federation.

### Closure of Mount Etna Quarry

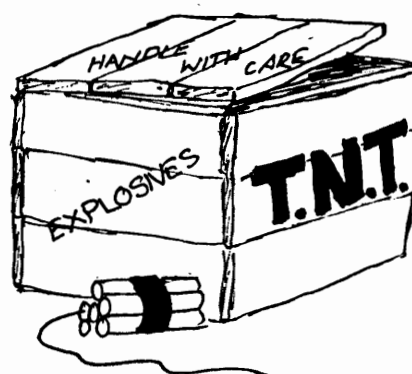
Central Queensland Cement has announced that grey cement production will cease in February with the loss of 69 jobs. Low production levels of lime and off-white cement will continue for an indeterminate time. Extraction at Mount Etna will reduce from 250,000 tonnes per annum to less than 50,000 tonnes. There will be no large intersection of the water table by quarrying.

### Mount Etna Rehabilitation.

CQSS has lobbied the company for a proper rehabilitation plan for Mt. Etna. The current management seems to be agreeable considering the lack of a major confrontation at present and their need for positive publicity.

### Fanning River

The closing of North Australian Cement means that the company's need for the leases covering the Fanning River Caves are no longer required. The company indicated that





# CONSERVATION COMMISSION

David Mitchell may wish to acquire these leases. They don't want any opposition for their Lime production, so it appears the company will work with us to surrender their leases to enable Environmental or National Park status over the area.

## Limestone Quarry Rehabilitation Study?

The company showed positive response to the article by Kevin Keirnan in the latest ACKMA newsletter and appears to be agreeable to consultation with ASF and ACKMA members on positive rehabilitation techniques. We intend to approach the Department of Minerals and Energy seeking a combined departmental, company and conservation approach to rehabilitation at Mount Etna as a "blue print" for limestone quarry rehabilitation in Australia. We think that funding will be available from Central Queensland and the Department. Central Queensland Cement is funding the rehabilitation at a cost of \$100,000 per year and CQSS is negotiating to have some of that funding put into the blue print research.

## Mitchell/Palmer, Chillagoe, Commoweal.

No further developments at Mitchell/Palmer, Chillagoe, or Commoweal.



## REPORT OF THE WESTERN AUSTRALIAN SECTION OF THE COMMISSION

### Cape Range Marina

Bill Humphries reports that the proposed marina for Exmouth has been placed on hold due to lack of funds. Lets hope it stays that way!

### Cape Range Limestone Quarry

A number of quarry operations have been proposed for the cape. The government has given approval and all that is required to start operation is for the companies involved to make a sale.

If this occurs, mining operations could be "cranked up" within a few months. No environmental assessments have been undertaken. The eastern side of Cape Range appears to be severely threatened by these proposed operations.

### Leeuwin-Naturaliste National Park

After 12 months of the permit system operation in the Leeuwin-Naturaliste National Park the following outcomes

are apparent:-

- \* A significant number of "Wild" caves have had a significant reduction in visitation rates. These caves are well placed to survive the century if the current management practices are maintained.
- \* The Adventure caves are now receiving 90% controlled (permitted) visitation. The pressure on several of these caves is still too high.
- \* Specifically, the caves and karst features used for abseiling have continued to degrade during the year.

A review of the permit system is currently being undertaken. The Caves Management Advisory Committee (CMAC) has already ascertained from the first year's statistics that abseiling is the major activity taking place in caves. Therefore it is proposed to differentiate between the two activities of abseiling and caving.

The statistics also show that two major commercial

# CONSERVATION COMMISSION

operators are the major users in the park.

As only \$10,000 was raised by the permit system in the first twelve months and the estimated budget required to perform MINIMAL work at these sites has been estimated at \$213,000, the fees for 1994 are proposed to increase. A budget has been put in place to try and raise this money over the next five years.

A grant of \$20,000 has been obtained to conduct a feasibility study on the creation of a Caves Eco-Museum for the Leeuwin-Naturaliste region. Further federal funding has been requested (\$600,000) to build and fund the start-up costs of the Museum. Further funding would be required to employ a full time education officer at the museum.

## Nullarbor World Heritage Listing

The change of government has placed the proposed listing in limbo.

## South Coast Management Plan

As at December 1993 none of the proposed national parks

or reserves in the Nullarbor region have been declared. The required legislation is LOST in government mumbo jumbo!

No on-site management is proposed for the parks and reserves in the Nullarbor region.

The damage caused to Koonalda Cave by gating the entrance appears to have been in vain as the gate has been bypassed.

## Yanchep National Park

Two meetings of the Yanchep National Park Cave Management Advisory Committee were held during 1993. Several objectives were defined but the key CALM manager has been on long service leave for 3 months of the year and very little else has been achieved.

## Nambung National Park

The draft plan is still being written; a planned public release date has not been issued. A submission will be made on the draft plan.

# LIBRARY COMMISSION

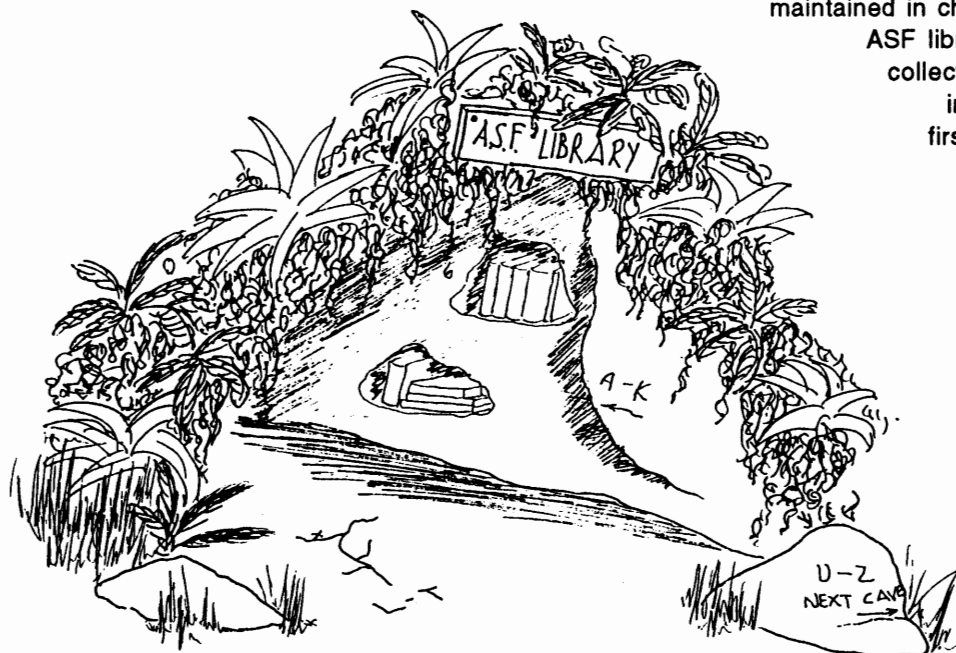
Convenor Cathy Brown.

The idea of a library is as old as the ASF itself. The original ASF constitution listed the Librarian as one of the Executive along with the President, Secretary and Treasurer, and stated in Clause 10: "A CENTRAL INFORMATION BUREAU shall be established and maintained in charge of the Hon Librarian." The

ASF library contains one of the largest collections of speleological literature in the country and is used as the first port of call when hunting for those older trip reports into long forgotten caves.

The collection is housed in Canberra, at John Dunkely's home and contains journals from ASF clubs and societies, cave and karst management material, overseas speleological journals and much more. The convenor is always happy to help you find material and welcomes material sent in by clubs.

Cathy Brown, 13 McDonald St,  
CHIFLEY 2606 (06) 288-2819



# DOCUMENTATION COMMISSION

Convenor: Peter Matthews

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## Role

The Documentation Commission's role is to promote and facilitate the collection and use of data on Australia's caves and karst features.

## Systems and standards

It does this by developing manual and computerised data systems for use by clubs and cavers, and by publishing cave and karst information at summary level with the co-operation of ASF clubs. A necessary part of this is the drawing up of standards so that data can be integrated for any cave in Australia regardless of which club produced it. Similarly, it aims to conform to any standards issued by the International Union of Speleology, so that cave and karst data can be transferred, compared and consolidated on an international basis for the furtherance of speleology and karst protection and management.

## Publications

Some of the publications produced by the Commission have been:

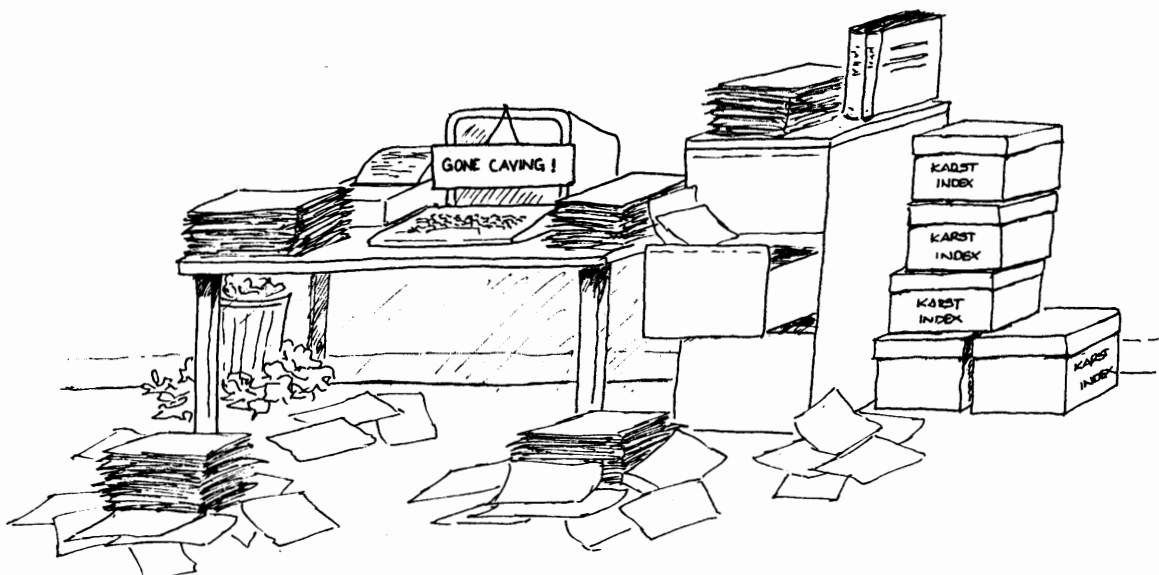
1968 Speleo Handbook. Summary-level details of the 1700 caves documented at that time, together with how-to papers on most aspects of speleology and caving, and ASF's standards for surveying, safety, etc.

1972 Map Numbering Guide. ASF's standard on how to allocate national reference numbers for the identification and registration of cave and karst maps.

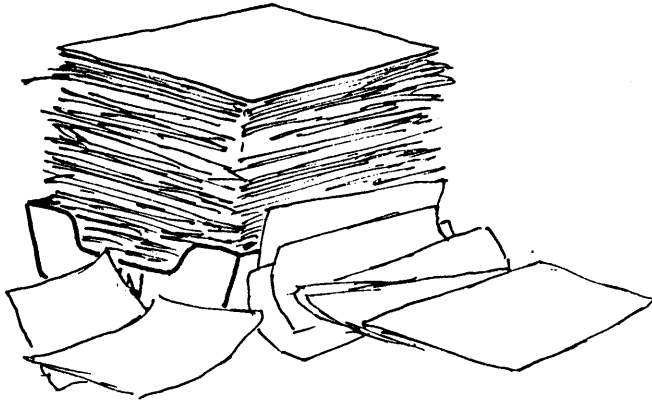
1974 Record Keeping Forms for cave summaries, area summaries, map bibliographic details, cave visits, trip reports, and cave sketches.

1979 Check-list of Australian Caves and Karst. A very short summary of each of the 4800 or so documented caves and karst areas at that time.

1979 Cave and Karst Numbering Code (2nd edition). ASF's standard on how to allocate national reference numbers for the identification and registration of caves and karst features.



# \*\*\*\*\* DOCUMENTATION COMMISSION



1983 Australian Karst Index Data Preparation Manual. Instructions on how to prepare data for ASF's computerised cave database.

1985 Australian Karst Index. Summary-level details of the 6600 caves, 2400 maps and 900 references documented in Australia at that time, together with ASF's standards for speleological terminology, cave numbering, map numbering, cave naming, and surveying and mapping.

1991 ASF Karst Data Interchange Technical Paper #2.

Describes ASF's 'KDI' data format for transferring karst data between independent databases.

1991 ASF Distributed Karst Index Specification, Technical Paper #3. Sets out the requirements for ASF's PC karst database system.

The publication of future cave lists etc., is planned to be in a series of consistent volumes on a state by state basis in co-operation with the respective state. The Commission will provide the mechanism and the standards, while the clubs of the state will provide the information and the updating labour. The Commission will also provide the finance for the publication on a loan basis.

The cave lists provide only coarse locations (10km), which is close enough for most analyses but protects the location of the cave. Instead, enquirers are directed to the local club, who thereby retain control. The cave information in the lists is at summary-level only, so that they complement rather than compete with the more detailed local publications.

## Database

The Karst Index book was generated from ASF's central database of caves, karst features, maps and references. Currently the Commission is converting and extending that database so that clubs can run their own copies of it on local PCs. The updating of the data will be co-ordinated by the respective State Council and the Commission. This arrangement will allow local clubs immediate use of the data, will allow it to be kept continuously updated, and will spread the updating load. Subsets of the data will be regularly uploaded to the Commission's national Karst Index Database to allow national analyses and searches, and to ensure the safety of the data at a national level.

The database allows for storing and cross-referencing data on caves & karst features, areas, maps, references, photographs, club reports, people, and organisations. Also included will be the international speleological subject classification system, and the database of international karst field definitions. The latter has facility for users to add details describing any extra fields they require so that these requests can be collected and consolidated, and new definitions formally issued on an ongoing basis.

Karst Data SIG. A 'special interest group' of ASF members identifying themselves as particularly interested in karst data systems has been formed. A newsletter, ASF DataNews, was issued in mid-1991, but none since. It will be resurrected when development eases off. In the meantime, anyone interested is invited to join. There is currently no charge. For those interested in international aspects, there is also the Informatics Commission of the International Union of Speleology.

# \*\*\*\*\* DOCUMENTATION COMMISSION

## Documentation Commission 1993 Annual Report

The main effort this year has of course been preparing the Karst Index database for distribution to clubs. I am happy to say this is now almost ready and I am aiming to have the pilot version issued before Christmas 1993.

The data from the old maps and references databases has now been converted over to the PC; the program by Glenn Baddeley of VSA to convert the old cave data to the correct format has now been through its second round of testing and the last remaining bugs are currently being fixed. The database programs to view, update, select and list the various kinds of data are well advanced. The old data preparation manual will be replaced by on-line help per field, which can also be printed out if desired. Ultimately the database will cater for data for caves & karst features, maps, references, unpublished club trip reports, photographs, people and organisations. The system needs only a 286 PC and 640K of memory to run, and may well run on an XT. It has taken a lot longer than expected, but will be well worth waiting for.

Because of the obvious latent demand for new fields, a significant part of the effort has gone into developing a 'fields' database which fully defines each data field being used for the cave, etc: data. Apart from providing the basis for the on-line help system, this database allows users to submit details of further fields and/or coded field values which they need in the main databases. These requested definitions will be consolidated and added to the standard set on an ongoing basis. Also included is the draft UIS standard for speleological subject classifications (SSC).

The full financial report will be available at the ASF council meeting.

The Karst Index books have continued to sell slowly overall, but with some individuals making the effort and having good success in selling them at their club meetings. Despite repeated requests, I am still trying to find a volunteer to help move the last of the books. Dave Smith has continued to manage the efficient dispatch of books to buyers.

A description of ASF's system and a demonstration of the PC database and karst data transfer was presented at the UIS Congress in Beijing last August, arousing significant interest.

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## THE AUSTRALIAN KARST INDEX FOR SALE

All ASF clubs and Associates are now able to supply copies of the Karst Index to their members for a total price of around \$15.00 including P&P (less than 1/2 the old price!), if ordered in bulk.

The Karst Index is of course the cave list describing virtually all registered caves in Australia (over 6600), together with map, reference and cave name lists and more, a total of almost 500 pages.

If your club does not want to order bulk copies of the Karst Index, you can still get a good price direct from the Documentation Commission at \$20.00 per copy, including P&P, down from \$33.00.

The price to non-members including government agencies, researchers, etc., remains at \$35.00 plus P&P in Australia, a total of \$44.00.

Foreign orders A\$35 plus P&P of A\$20 surface mail, A\$30 economy air, or A\$42 airmail.

All enquiries or orders  
(with cheques payable to "ASF Handbook")  
to:

Dave Smith.  
Marketing and Dispatch Manager.  
71 Ashburton Rd, Glen Iris,  
Victoria 3146.  
Ph: (03) 885 4074

## GET YOUR COPY NOW



# NEWSLETTER COMMISSION

Convenor: Clare Buswell

The Newsletter Commission publishes Australian Caver four times a year (well almost), and is responsible for maintaining its mailing list. The Commission has been publishing the ASF newsletter since 1970.

## NEWSLETTER COMMISSION REPORT FOR 1993

This year has been a trying year for Australian Caver due to not enough material coming in for publication. In the last two years my aim has been to increase the quality of the journal, to make it relevant, to improve the image of our national organisation, and to encourage people to send in contributions. Alas this tactic seems to have failed at least in regard to the last of these aims. Next year I have planned some big changes. Firstly that there will be only two editions of the Caver published in the usual format. If enough material comes in between the printing of those two editions then it will be sent to the printer in the received form and stapled together.

The other change is that I am resigning as Editor over the course of 1994. This will allow time for a change-over of editors, postal arrangement etc. So if you are looking for a challenging job, requiring a love relationship with your phone, fax machine, email, computer all for little reward then think about it.

The Commission has also been involved in the development of a promotional flier for the Federation and logo design for the ASF Exit Cave Project. You never know the commission may even go into full scale colour poster production of garden gnomes.

Clare Buswell.



## CAVE DIVING COMMISSION

Convenor: Ron Allum

The Cave Diving Commission aims to monitor cave diving activities in Australia, promote effective exchanges of information between cave divers and other speleologists, maintain close liaison with the Cave Diving Association of Australia (CDAA), advise on diving aspects of cave use and management and finally, to promote cave diving safety.

# SURVEYING AND MAPPING STANDARDS COMMISSION

Convenor: Ken Grimes

The ASF Survey and Map Standards Commission was established in 1974, under the convenorship of Edward G Anderson, and grew out of an Ad Hoc committee that was created in 1971.

The terms of reference were and still are:

To co-ordinate the systematic integration of cave surveys and the adoption of the Australian Map Grid for cave mapping.

To cooperate with other commissions particularly the Handbook (now Documentation), in compilation and dissemination of surveying and mapping data and information.

To foster liaison and communication and provide technical advice and assistance in all cave survey and mapping matters.

To advise the Federation on problems arising from integration of surveys and the implementation of the survey and mapping standards.

To encourage adherence of the survey and mapping standards, by the design and dissemination of standardised documentation and recording forms.

I took over the commission in 1983, by which time most of the immediate objectives had been achieved, and I was left with the role of providing continuing advice and coordination in survey and mapping standards. The main output for the Commission has been the publication of the ASF Survey & Map Standards. The current version was prepared by E.G. Anderson and others in 1978 (ASF Newsletter 79), and reprinted with some addition in the Australian Karst Index (Matthews, 1985 p. 18.1 - 18.20)

The published standards cover:  
units (metric)

Map scales (multiples of 10, 100, 1000, etc., of 1:1, 1:2, or 1:5),

Map sheet sizes (Metric A4, A3 etc.),

Survey datum (Aust Map Grid and Aust Height Datum or local datum),

Map (grid use and spacing),

Standard cave map symbols (surface features, entrances, walls, floor and roof details, deposits, hydrology etc),

Survey and map detail grades (e.g., ASF Grade 53C),

Terminology (what is a "developed Longitudinal Section"),

Information required on a map (identification, credits, map number, north arrow, scale bar, etc).

So there you have yet another reason for buying your own personal copy of the Karst Index.

Related documents which were prepared by the Documentation Commission, and which are also published in the Australian Karst Index, are the Cave and Karst Numbering Code (1984), the Map Numbering Guide (1985), both by Peter Matthews. You really should buy a copy of that Karst Index. Peter has also prepared a paper; on a Modular Method of Surveying and Mapping using standard A4 size sheets which was published in the Proceedings of the 12th ASF Biennial Conference. (WACCON, 1980, p.100-111).

For future, the main challenge will probably come from the growing use of Computer Added Design Drafting (CADD) programs.



# SURVEYING AND MAPPING STANDARDS COMMISSION

Convenor: Ken Grimes

## Commission Report 1993.

There was little activity during the last year. At Tas Trog (Jan. '93) I raised the subject of CADD based map standards and asked delegates to pass my report to that meeting on to anyone in their club that is using CADD. I have had no response to that, but have continued to evolve some personal standards (biased towards the nature of the program that I use - Generic CADD).

Ideally we should be looking at standards that will allow easy electronic exchange of map and survey files both between persons within a group and between groups. If someone has prepared a computerised drawing of a cave map, and you have just surveyed a new extension, you would prefer to be able to just add your bit to the existing version, rather than redo the whole map from scratch - after all, the reuse and easy modification of prior drawings is the main justification for using CADD

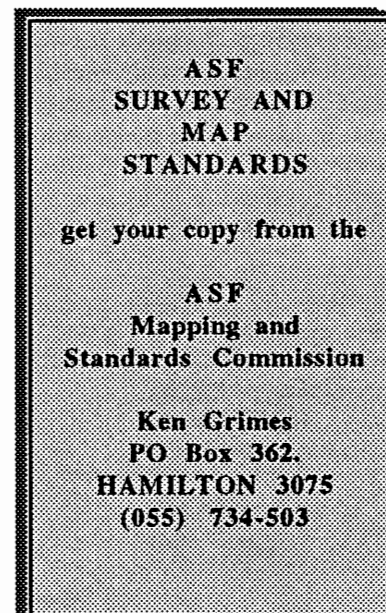
The likely problems are at several levels. The initial problem is automating the transfer of output from a survey reduction program (such as SMAPS) that processes your measurements, across to the CADD program, where you add the wall and floor detail, cross sections, scale bars, lettering etc. The Hewlett Packard Graphics Language, (HPGL) Plot Language is one standard that could provide a means of making this transfer, I have used it successfully to transfer plots from SMAPS to Generic CADD.

Within the CADD system the basic problem is that of incompatible binary formats used by different CADD programmes. Fortunately, many of them allow you to import & export files in the 'standard' Auto CADD DXF format. At a higher level there is the need to standardise and document the details of layer numbers, pen numbers, symbols, fonts, etc. so that subsequent mappers can take over a CADD map started by someone else without wasting time working out what she or he has been doing. At a still higher level, there could be a need to standardise the overall layout, including any club logos etc. that your group creates.

Another problem that will need consideration is the need to update the ASF Map Summary sheets so as to allow for the use of CADD programs: Up till now the master sheet for any given cave map has usually been a paper or film copy held in a club map collection. In the future, the master copy is more likely to be a digital computer drawing or image file. We will need to record the file name, date stamp and its format (Generic CADD, AutoCadd etc.) and the location of the file, both the active version and archive version. Also, given the seductive ease with which often trivial changes can be made to CADD drawings, we should consider a

version field as well as the existing map number - or else allow the use of an additional trailing letter 'a-z' to indicate minor version changes. Existing fields that will become less meaningful are Scale and Paper Size which could vary with each printing of the file (this is already a problem with the use of enlarging and reducing photocopyers).

I am currently evolving some solution and standards for my own use, but if I am to do anything in the way of suggesting standards for all ASF members I will need feedback from those of you who are using CADD Programs. Which programs are you using, what personal drafting standards have you evolved, what problems have you met (and solved?), do you even think standards are needed etc.



# SAFETY COMMISSION

Convenor: Mike Lake

The promotion of safe caving practices is the role of the Cave Safety Commission. This includes the promulgation of safety information and caving practice guidelines. The commission also gathers data on caving accidents and, by dissemination of the information, seeks to make others wiser and hopefully aware of similar incidents. Liaison is maintained with safety officers within the individual clubs. The commission is responsible for the development of the ASF's Caving Safety Guidelines.

## Caving Accidents / Incidents 1992 to 1993

### Accidents / Incidents During 1992

I have received three accident / incident reports from ASF members detailing cave related accidents / incidents which involved non-ASF members over the last year and a half.

A man fell some 6 metres after he was unable to climb back up the 17 metre pitch in Bell Cave, WA, that he and his companion had climbed down hand over hand. This is not unusual. In NSW at Bungonia there have been cases where persons have unsuccessfully attempted to hand over hand back up a 50 metre pitch, fortunately with no serious consequences. In June 1992 a student fell and sustained a head injury while on a school trip to Giants Cave, WA. A month later two persons had to be searched for when they explored Terry's Cave in WA and became lost.

I would not expect ASF cavers to get into the situation of hand over handing up pitches, although getting lost or falling and sustaining a head injury is possible no matter how good a caver one is.

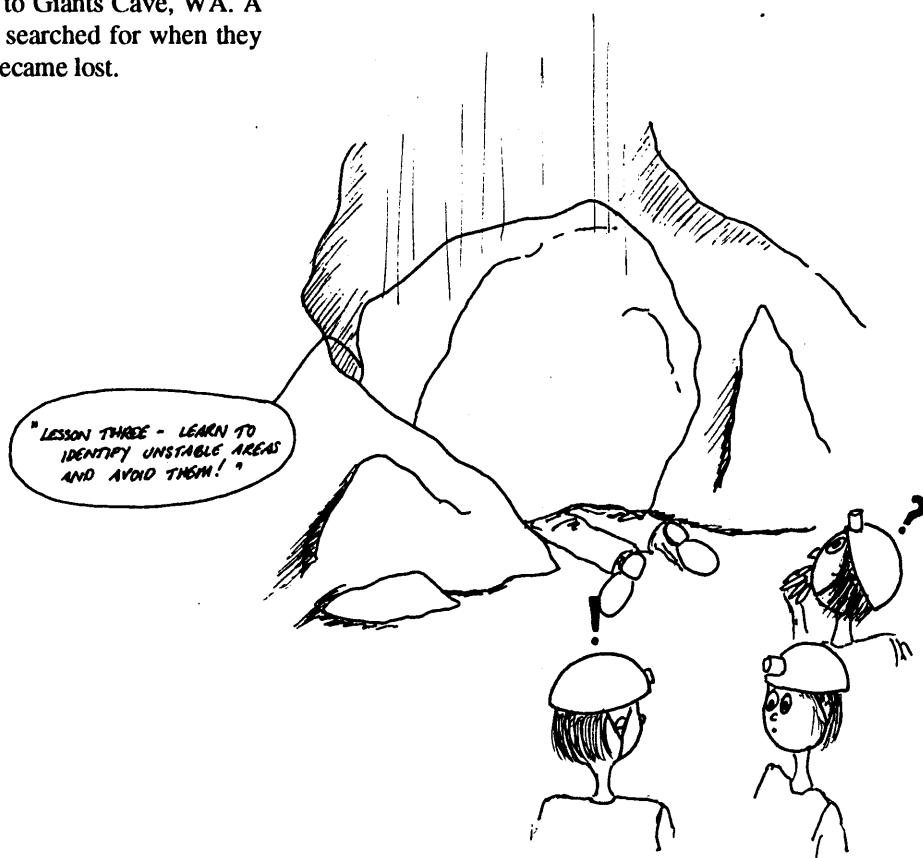
Accidents or incidents that occurred to ASF cavers in 1992 were:

May, SA: While walking along in the cave on the York Peninsula, a caver put his hand on a sharp rock to regain balance. His right hand was cut sufficiently to later warrant stitches at Adelaide Hospital. The hand was initially bandaged in the cave. First aid knowledge came in useful.

June, QLD: While surface

trogging around the Mitchel-Palmer area, a caver accidentally pulled a boulder down on himself resulting in a long, deep gash to a finger which required stitching - the group involved cleaned, dressed and splinted the wound, the Flying Doctor Service was called and the patient flown to Cairns Hospital for stitching. First aid knowledge came in useful.

September, WA: More seriously, a caver sustained a broken right fibula when a fixed ladder in Wanderers Delight Cave (WA) gave way. A cord which held the ladder against the wall had deteriorated and broke when the climber leaned back towards the top of the pitch. As the



# SAFETY COMMISSION

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accident report states: "NEVER trust a fixed caving device, whether a bolt, or like this, a fixed ladder. Always test them as you would a device you had only just installed yourself, and do this every time you use it." Would a belay have prevented the injury? This report will have me looking closer at that fixed ladder in Bullio Cave (Wombeyan Caves, NSW) next time I use it - it's 20m high, 60 years old and loose at the top.

November, TAS: A party became trapped in Growling Swallet when the water levels rose. A rescue team (of cavers) entered Slaughterhouse Pot (alternative vertical entrance to GS) rigging and laying phone lines as they went. The party was found at Refuge Aven' where there is a cache of food, stove etc. kept for such contingencies. All exited via Slaughterhouse Pot. A fall of rain on Mt. Field had caused rapid snow melt and the GS entrance was not negotiable for at least another 12 hours.

December, Jenolan Caves NSW: A caver was climbing down a chimney when a boulder, being used as a handhold, gave way, bringing down with it more boulders, rocks and gravel. One of the boulders pinned his helmet to the wall. After a little time he was freed with bruising to the neck, legs and elbows.

December, TAS: One of the more serious accidents to ASF members happened last December in Tasmania when a fall of 2 metres led to a compound talus ("Potts") fracture of the right ankle. Some discussion of this accident is worthwhile;

Firstly the patient wrote up a report soon after the accident.

This covered the pertinent details such as date, names, etc. But what is valuable is the background to the accident. They gave (their own subheadings follow) a "Description of the site, Description of the accident and injury received, Personnel involved, Factors contributing to the accident, Factors mitigating the situation, Factors contributing to worsening of situation, Sequence of accident and rescue" and finally a discussion. By reading this sort of report in a local club journal cavers can better understand how accidents can occur and thus how to minimise one's chances of getting injured. Rescuers can analyse the sequence of events and the procedures, learn from the experience, and if there is a 'next time' be better prepared. If only I could receive all accident reports this detailed.

## Accidents / Incidents During 1993

March, NSW: Colong Cave is a reasonably extensive cave which takes some time to reach the end (by NSW

standards). A caver took a fall resulting in bruising, and a hairline fracture in the back of the left hand. The group performed a successful self rescue.

June, NSW: While surveying a cave known to be unstable at Jenolan Caves, a caver was struck by moving boulders resulting in a fractured ankle. (Ah! what cavers will suffer for speleology). The ankle was suspected to be sprained but later, on X-raying, was found to be fractured. If in doubt manage as a fracture.

July, WA: A caver in Connelly Cave slipped on a sediment bank and dislodged a large boulder which ricocheted off his helmet before disappearing down an adjacent passage. The caver suffered a headache, sore neck and a fractured tooth. "It is suspected that the combined action of coming to rest after the fall and the blow of the boulder on his head caused the upper and lower teeth to impact, resulting in the fracture of one left rear tooth of his mandible although this did not become evident until the following afternoon when it finally parted company from the remaining section of tooth." The caver was fortunately wearing a good helmet. The writer of the accident report stressed the value of wearing a quality helmet with non-stretch chin strap.

Thanks to the cavers who sent in the accident report forms on which this article is based.

Mike Lake.

## ASF Cave Safety Guidelines

Get Your Copy NOW  
ASF  
Safety Commission.

Mike Lake,  
2 Derribong Pl,  
THORNLEIGH 2120  
(02) 481 0949



# Minimal Impact Caving Code

## FOURTH DRAFT

Convenor of the MICC Ad Hoc Committee: Rauleigh Webb

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### Introduction

The need for a Minimal Impact Caving Code (MICC) has evolved over many years as cavers have realised the impact that they have on caves. That impact is so diverse and varied that it has become necessary to devise a caving code that ensures that cavers are aware of the measures that are necessary to reduce their impact on caves.

To those of you who have just become Australian Speleological Federation (Inc) (ASF) members it is important that you understand that a MICC IS necessary because cavers are one of the major sources of damage to caves. Read the MICC carefully and apply it to all of your caving - it will not completely stop cavers damaging caves but it will certainly reduce their impact on the cave environment. This MICC has been devised by cavers FOR CAVES - please assist the caves of Australia by using these simple MIC techniques.

This MICC should be used in conjunction with the ASF Code of Ethics.

### General

This code is divided into two sections. One relating to the exploration of a newly discovered cave or section of cave and the other relating to general cave visitation.

The following practices may fall into both sections and may be modified depending on the type of cave being visited. In general it should be stated that we are discussing here a code which will ensure that cavers have a minimal impact on the cave they are visiting. In many instances the practices may not apply as the impact that cavers have, may be minuscule, compared to the impact of flooding of the entire cave, for example. These practices are generally intended to apply in caves where cavers are likely to have a detrimental impact on the cave purely by entering the cave.

In-cave marking refers to the use of a variety of materials to define tracks, routes and barricades in a cave. These measures should be taken to protect sensitive areas, confine caver foot damage, make cavers aware that a sensitive (it may be an unobvious cave animals territory) area exists.

**THERE ARE NO EXCEPTIONS TO THIS CODE - SURVEYORS, PHOTOGRAPHERS, SCIENTISTS, EXPLORERS, ETC., ARE ALL SUBJECT TO THIS CODE.**

### General Cave Visitation

1. Remember EVERY caving trip has an impact. Is this trip into this cave necessary? If it is just for recreation, is there another cave which is less vulnerable to damage that can be visited? Make this assessment depending on the purpose of your visit, the size and experience of the proposed party, and IF THE TRIP IS LIKELY to damage the cave.
2. Where possible the party leader should have visited the cave previously and hence should be aware of sensitive features of the cave, the best anchor points, and generally reduce the need for unnecessary exploration.
3. Cave slowly. You will see and enjoy more, and there will be less chance of damage to the cave and to yourself. This especially applies when you are tired and exiting a cave.
4. If there are beginners on a trip, make sure that they are close to an experienced caver, so that the experienced caver can help them when required e.g. in difficult sections. Ensure that the party caves at the pace of the slowest caver.
5. Keep your party size small - 4 is a good party size.
6. Cave as a team - help each other through the cave. Don't split up unless impact is reduced by doing so.
7. Constantly watch your head placement AND that of your party members. Let them know before they are likely to do any damage.
8. Keep caving packs as small as possible or don't use them in sensitive caves or extensions.
9. Ensure that party members don't wander about the cave unnecessarily.
10. Stay on all marked or obvious paths. If no paths are marked or none is obvious - define ONE!
11. Learn to recognise cave deposits or features that may be damaged by walking/crawling on them.

Examples are:-  
Drip Holes  
Stream Sediments  
Paleo soils  
Soil Cones  
Crusts  
Flowstone

# Minimal Impact Caving Code

## FOURTH DRAFT

Cave Pearls  
Asphodilites  
Bone material  
Potential Archaeological sites  
Cave Fauna  
Coffee & Cream  
Tree Roots

12. Take care in the placement of hands and feet throughout a cave.

13. Wash your caving overalls and boots regularly so that the spread of bacteria and fungi is minimised.

14. If a site is obviously being degraded, examine the site carefully to determine if an alternative route is possible. Any alternative route **MUST** not cause the same or greater degradation than the currently used route. If an alternative is available, suggest the alternative route to the appropriate management authority and report the degradation.

15. Carry in-cave marking materials while caving and restore any missing markers. Tape off sensitive areas you believe are being damaged and report the damage to the appropriate management authority.

16. If it is necessary to walk on flowstone in a cave, remove any muddied boots and/or clothing before proceeding **OR DON'T PROCEED!**  
Sometimes it is better to assess the situation and return at a later date with the appropriate equipment.

17. Treat the cave biota with respect, watch out for them, and avoid damaging them and their "traps", webs etc. Also avoid directly lighting cave biota if possible.

18. If bone material is found on existing or proposed tracks, it should be moved off the track to a safer location if at all possible. Collection should only be undertaken with appropriate permission.

19. If you eat food in a cave, ensure that small food fragments are not dropped, as this may impact the cave biota. One way is to carry a plastic bag to eat over and catch the food fragments. This can then be folded up and removed from the cave.

20. Ensure that all foreign matter is removed from caves. This includes human waste. If long trips are to be made into a cave ensure that containers for the removal of liquid and solid waste are included on the trip inventory.

21. When rigging caves with artificial anchors, e.g., traces, tapes, rope etc: ensure that minimal damage occurs to the

anchor site by protecting the site. For example, protect frequently used anchors, e.g. trees, with carpet, packs, cloth etc. Bolts should only be used where natural anchors are inappropriate.

### 22. CAVE SOFTLY!

#### New Cave or Extension Explorations

1. The existing microbiology of the new cave, both fungi, bacteria, and a world of protozoa, will almost certainly be irreversibly contaminated on the first trip into the cave! If you consider cave microbiology has not been investigated in the area of this new cave, if cave microbiologists are available, then please consider including them on initial explorations so that they may collect uncontaminated samples.

2. Do not enter the new area if you do not have the equipment required to undertake the minimal activities. Surveying equipment and in-cave markers.

3. The minimal activity should be in-cave marking and surveying. Not purely exploration.

4. Ensure that all alternative routes are examined, by completing the cave survey, prior to crossing sensitive areas. It may not be necessary to enter some areas as they can be by-passed.

5. Having determined that a sensitive areas is to be crossed it should **ALWAYS** be marked. Reduce future damage by defining a distinct, minimal width track.

6. Discuss in-cave marking within the party and ensure that all ideas are evaluated before marking is undertaken.

### 7. CAVE SOFTLY!



The Tasmanian Caverneering Club Explorations Journal

# Tasmanian Cave Exploration in the 1980's

Volume 1

Edited and produced by Nick Hume,  
Stuart Nicholas and Trevor Wailes



Have you got your copy yet?  
If not, why not?

The publication of this journal is a  
milestone for the Tasmanian  
Caverneering Club and definitely a  
valuable addition to your library.

*History and exploration of Growling Swallet.*

*Discovery and exploration of Ann-a-kananda.*

*The epics of the Icetube Trips.*

*The enigma that is Serendipity.*

*Exploration by diving.*

*Diving equipment and techniques.*

*Nine major surveys included within the book. Two additional large sheet  
surveys included: Growling Swallet and Serendipity.*

*Deepest and longest caves lists.*

*Index to Speleo Spiel.*

The wealth of detail presented within the pages of the journal is quite astounding. The journal effectively draws together a lot of information that would otherwise be doomed to obscurity in newsletters and personal archives. The articles contain much that has not been previously published.

Additional flat copies of the large sheet survey also available - contact TCC.

Don't miss out - this is a limited edition printing - obtain your copy of this journal now!!

Send a cheque or money order with your name and address to:

**Tasmanian Caverneering Club Inc.,  
P.O. Box 416, Sandy Bay, Tasmania.  
Australia 7005**

**COST EACH: (within Australia) \$21.00 including packing & post.**

# INSIDE EARTH

Caves Beneath the Nullarbor

20th March - 10th April

Prospect Gallery  
1 Thomas Street Prospect.  
Adelaide

(Gallery closed over Easter).

I believe this to be a first: a combination of aesthetic and scientific material from the Cave Exploration Group of S.A. Inc. CEGSA members together in an exhibition of paintings, drawings, photographs, maps, videos, etc. of the Nullarbor caves, taken outside of club rooms and exhibited in a public place in a reputable gallery, the Prospect Gallery.

Arrangements were made with the Director of the gallery, Mr. Rick Martin, to exhibit my art work from a field trip undertaken to the Nullarbor Plains earlier this year, April - May 1993.

While reading through trip reports dating back to the beginning of the Club, I noticed that a few CEGSA members have been successfully photographing the Nullarbor Caves with professional skill for some years. Not only did CEGSA members have a wonderful collection of early and recent cave photography of the Nullarbor rarely seen outside club rooms, but also an excellent historic collection of "Diprotodon" magnesium flash light photography as well as a few photographic

## Recent painting, drawing and photography by June MacLucas. Dip BFA.

Member of Cegsa

To be opened by Prof. Elery Hamilton-Smith.

Exhibition includes recent Photography, videos and historic cave photography by CEGSA members.

Jin Cundy  
Kevin Mott  
Steve Milner  
Greg Bulling  
Athol Jackson  
Grant Gartrell  
Garry Woodcock

Extracts from the work of the late  
Cpt. J. Maitland Thomson.

Exhibitors representing the S.A. Museum  
Terry Reardon  
Neville Pledge

Exhibition includes extracts from the work of  
Elery Hamilton-Smith.

plates of the late J. Maitland Thomson, courtesy of Kevin Mott.

This is an exciting opportunity, as unfortunately throughout the world and especially in Australia, cave painting this side of the 20th Century has been sadly neglected. According to Elery Hamilton-Smith there is only a handful of artists painting caves in the world today. This is partly due to the inconvenience connected to painting in this kind of field and to the technical advancement of

photography.

As I see it for me, not only do I like caving but it's a natural progression for the advancement of my main body of art work dealing with the unconscious. The journey into the dark unknown through dreaming, mythology and alchemy. The obstacles encountered in the fearsome long journey to the lower regions of the earth has furnished many mythological tales of gods, demi-gods, heroes, saints and mortals. Apollo, Hercules, Pluto, Mercury, Ulysses, Psyche, Persephone, Diane, Inanna and many more all descending into the bowels of the earth. St. John the Baptist was born in a cave and the Lord Jesus was buried in a cave. Caves have held dread and mystery for most cultures throughout the centuries. It is for most people, a forbidden area that still intrigues. For my part in the exhibition, I hope to emphasise that feeling of mystery and suspense. The scientific and the spiritual - an interesting alchemical combination.

June MacLucas.

# Directory of the Federation's Officers and Commissions at a Glance

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## EXECUTIVE COMMITTEE MEMBERS

### President

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42 Victoria Cres,  
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(03) 890-8319

### Senior Vice-President

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### Executive Secretary

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### Treasurer

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(03) 329-0479

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(08) 344-1426

Mike Moylon  
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(070) 94-7153

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(03) 876-1487



# Directory of the Federation's Officers and Commissions at a Glance

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(08) 388-6685

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WESTFIELD 6112  
(09) 495-1661

## Survey & Mapping Standards

Ken Grimes  
PO Box 362,  
HAMILTON 4075  
(055) 734-503

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## Codes & Guidelines

Evalt Crabb  
PO Box 154,  
LIVERPOOL 2170  
(02) 607-2142

## Jenolan World

John Dunkley  
3 Stops Pl,  
CHIFLEY 2606  
(06) 281-0664

## Tas-Trog '93

Yvonne Gluyas  
PO Box 315,  
LAUNCESTON 7250  
(003) 444-486

## Hamilton Conference 1995

c/- Victorian Speleological  
Association Inc.  
GPO Box 5425 CC,  
MELBOURNE 3001

.....

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# Corporate Members List

## ACT

Canberra Speleological Society Inc.,  
18 Arabana St, ARANDA 2614  
Contact: (06) 251-2141



National University Caving Club,  
c/- Sports Union,  
GPO Box 4,  
CANBERRA 2601

Meetings: First  
Thursday of each  
month excluding  
January. Seminar  
Room A.  
Coombs Building.  
Australian  
National  
University.

## NEW SOUTH WALES

Baptist Caving Association,  
90 Parkes St, HELENSBURG 2508  
Contact: Ian Wilkin (042) 94-1668



Meetings: First  
Tuesday of each  
month excluding  
January. 7.30pm.  
Heathdene  
Pre-School.  
1181 Old Princes  
Highway.  
Engadine  
Baringa.

Blue Mountains  
Speleological Club,  
PO Box 37,  
GLENBROOK 2773



## Corporate Members

**Central West Caving Group,**  
PO Box 428,  
OBERON 2787

**Endeavour Caving & Recreational Club Inc.,**  
PO Box 63,  
MIRANDA 2228

**Highland Caving Group,**  
PO Box 154, LIVERPOOL 2170  
Contact: Phil Fleming (02) 660-2482.



Meetings: Second Tuesday  
in each month excluding  
December and January.  
Carramar Scout Hall. Cnr  
Wattle and Horsley Dr.  
Carramar. 7.30pm.

**Hills Speleology Club Ltd.,**  
PO Box 750, CASTLE HILL 2154  
Contact: Rick Pinnock 3 Heights Place,  
HORNSBY HEIGHTS 2077. (02) 477-1920



Meetings: First and  
third Tuesdays of  
the month. 8pm.  
Castle Hill  
Community  
Centre. Cnr Old  
Castle Hill Rd and  
Old Northern Rd.  
Castle Hill.  
Sydney.

**Illawarra Speleological Society,**  
PO Box 94,  
UNANDERRA 2526

**Kempsey Speleological Society,**  
1645 Hickeys Creek Rd, via KEMPSEY 2440  
Contact: Philip Holberton (065) 67-126 Trog

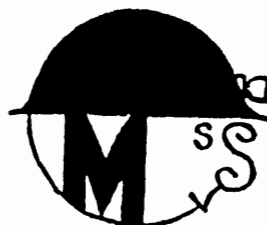


**Macquarie University Caving Group,**  
c/- Sports Assoc., MACQUARIE UNIVERSITY 2109  
Contact: Lucinda Coates (02) 888-5686 hm or  
(02) 805-7635 message only.

General Meetings:  
Thursday after the  
first Wednesday of  
the month. 1-2pm.  
Union Function  
Rooms Level 3  
Union Building.  
*MUCG-Raker*  
(was *Quaver*)  
published  
annually.



**Metropolitan Speleological Society Inc.,**  
PO Box 2376, NORTH PARRAMATTA 2151



**Newcastle & Hunter Valley Speleological Society,**  
PO Box 15, BROADMEADOW 2292  
Contact: Gary Smith (049) 532-479  
*New Caves Chronicles*



**Orange Speleological Society,**  
PO Box 752,  
ORANGE 2800  
Contact: Glen Griffith (063) 654-322  
Meetings: The 1st Wednesday in the month at a member's home.  
*OSS Newsletter*

## Corporate Members

**RAN Caving Association,**  
c/- 58 Redmyre Rd,  
STRATHFIELD 2135

**Rover Speleological Society of NSW,**  
c/- 22/102 Crimea Rd, MARSFIELD 2122  
Contact: Peter Fitzsimons (02) 642-3206



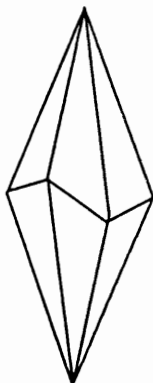
Meetings: First  
Wednesday of each  
month excluding  
January. 8pm.  
Yarralla Scout Hall.  
Concord Rd.  
Rhodes. UBD Map  
54 L8

**Sydney University Speleological Society,**  
Box 35, Holme Building, SYDNEY UNIVERSITY 2006  
Contact: Mark Staraj (042) 29-6760 hm (02) 333-6858 wk  
or Chris Norton: (02) 959-3613 hm



Meetings: First  
Thursday of each  
month excluding  
January. 7.30pm.  
Holme Common  
Rm. Holme  
Building. Science  
Rd, Uni of Sydney.  
*SUSS Bull*

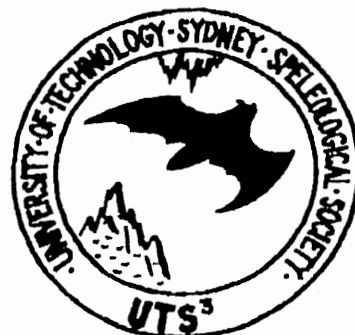
**University of NSW Speleological Society,**  
Box 17, The Union, University of NSW,  
KENSINGTON 2033  
Contact: Graeme Pattison (02) 818-4849 (02) 662-5431 wk.



Meetings: First  
Tuesday in the  
month except  
January and  
December. 7pm.  
Union Building.  
University of NSW  
*Spar.*

**University of Technology Sydney Speleological Society,**  
c/- The Union, PO Box 123, BROADWAY 2007  
Contact: Ray Pickard (02) 621-4545 or  
Cindy Grout (02) 451-9894

Meetings: First  
Wednesday of each  
month. 7.30pm.  
UTS Theatre  
Lounge in the  
Union. UTS  
Broadway campus.  
*Labyrinth*



### QUEENSLAND

**Central Queensland Speleological Society Inc.,**  
PO Box 538, ROCKHAMPTON 4700  
Contact: Peter Berrill (079) 225-320



Meets: Third  
Wednesday of each  
month excluding  
December.  
7.30pm.

### SOUTH AUSTRALIA

**Cave Exploration Group South Australia Inc.,**  
PO Box 144, Rundle Mall, ADELAIDE 5001  
Contact: Mac MacDonald (08) 362-3911



Meetings: Fourth  
Wednesday in each  
month except  
December. 8pm.  
The Royal Society  
Rms. Off Kintore  
Ave. Adelaide.  
*CEGSA  
Newsletter*

## Corporate members

**Flinders University Speleological Society,**  
c/- Clubs & Societies Assn. Flinders University,  
BEDFORD PARK 5042  
Contact: c/- (08) 201-2276



Meets on the first  
Tuesday in every  
month. 6.30pm.  
Kelly Morris Rm.  
Union building,  
Flinders Uni.  
Adelaide.  
Pre meeting drinks,  
Union Tavern  
6pm.  
*Fussi*

### TASMANIA

**Northern Caverneers Inc.,**  
PO Box 315, LAUNCESTON 7250  
Contact: Paul and Jean Van Nynanten (003) 34-2518



Meets every  
Monday night at  
the Backwater  
Creek Hotel.  
1 Tamar St,  
Launceston.  
Tasmania. 6pm to  
around 7.30pm.  
*Troglodyte*

### VICTORIA

**Victorian Speleological Association Inc.,**  
GPO Box 5425 CC, MELBOURNE 3001  
Contact: Peter Ackroyd (03) 347-8058



Meets on the first  
Wednesday in the  
month. 8pm.  
Tutorial Room,  
ground floor Old  
Commerce  
Building.  
Melbourne  
University. Pre-  
meeting dinner at  
the Clyde Hotel,  
cnr Elgin and  
Cardigan Sts.

Carlton, Melbourne. 6.30pm. *Nargun*

### WESTERN AUSTRALIA

**Speleological Research Group of Western  
Australia,**  
PO Box 120, NEDLANDS 6009  
Contact : Norm Poulter (09) 276-2495

Meets on the last  
Tuesday in every  
month. 7.30pm.  
81 Hamersley  
Place. Morley.  
Perth W.A.  
*The Cavers  
Chronicle*



**Western Australian Speleological Group,**  
PO Box 67, NEDLANDS 6009  
Contact: R. Webb (09) 444-1020

Meets on the first  
Tuesday in every  
month. 8pm.  
Scout Shop 581  
Murray Street.  
Perth. Enter from  
Harvest Tce.  
*Western Caver*



### ASSOCIATES of the FEDERATION

**Australasian Cave & Karst Management  
Association,**  
PO Box 36,  
CARLTON SOUTH 3053

**Avondale Speleological Society,**  
c/- 20 Avondale Rd,  
CORRANBONG 2265

**Campbelltown Caving & Outdoor Group,**  
PO Box 50,  
GLENFIELD 2167

**CAVEX Inc.,**  
c/- 15 Sandery Ave, SEACOMBE GARDENS 5047  
Contact: Luke Netherton (08) 381-9800



Meetings: Third  
Monday of the  
Month. 7.30pm.  
5 Sheraton Crt  
Reynella.  
Adelaide.  
*Cave'In*

**Cave Diving Association of Australia Inc.,**  
PO Box 290, NORTH ADELAIDE 5006  
Contact: Lisa Bernasconi (055) 62-9583



CDAA meets  
yearly at its  
Annual General  
Meeting usually  
mid year.  
*Guidelines*

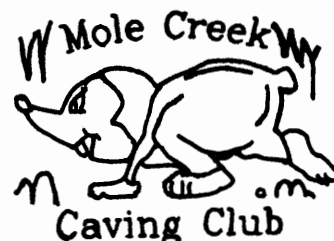
**Chillagoe Caving Club Inc.,**  
PO Box 92, CAIRNS 4870  
Contact: Mick Moylan (070) 94-7153



**Curtin Outside Club,**  
Box 18, Student Guild. Curtin Uni.,  
BENTLEY 6102  
Contac: Simone Alexander (09) 417-2891  
Meetings: Midday every Wednesday. Excluding University  
holidays. On the grassed area in front of the Hayman  
Theatre.

**Mole Creek Caving Club,**  
c/- Post Office, MOLE CREEK 7304  
Contact: Deb Hunter (003) 63-8142

Meetings: Second  
Friday in each  
month. Mole Ck.  
Memorial Hall.  
7.30pm.  
*Illuminations*



**NSW Cave Rescue Squad Inc.,**  
PO Box 122,  
BANKSTOWN 2200  
Contact: Michael Lake (02) 481-0949 (02) 413-7107 wk or  
Joe Sydney (02) 558-0099 hm (02) 559-9842 wk

**OTC Caving & Canyoning Club,**  
PO Box 1996,  
NORTH SYDNEY 2059

**Plane Caving Inc.,**  
c/- 437 Hay St,  
SUBIACO 6008

**PNG Cave Exploration Group,**  
c/- G. Francis,  
PO Box 1824,  
Port Moresby PNG

**Savage River Caving Club,**  
PO Box 1114, BURNIE 7320  
Contact: Bevis Dutton (004) 25-2987 hm



## Associates

**Scout Association of Australia (NSW Branch),**  
PO Box 115,  
HABERFIELD 2045

**Scout Caving Group (South Australia),**  
c/- 44 Fullarton Rd,  
NORWOOD 5067  
Contact: Peter Kraehenbuehl  
c/- Scout Headquarters Norwood



**Snowy Mountains Speleological Society,**  
c/- Wolumla Public School,  
WOLUMLA 2550

**Southern Caving Society,**  
PO Box 121,  
MOONAH 7009  
Contact: Jeff Butt (002) 23-8620  
Meetings: Second and fourth Wednesdays of each month.  
Wheatsheaf Hotel. Davey St Hobart

**Sydney Speleological Society,**  
PO Box 198,  
BROADWAY 2007  
Contact: Ross Ellis (02) 630-5384 hm



Meetings: Last  
Thursday of the  
month except  
December and  
January. 8pm. 22  
Church St  
Burwood.

**Tasmanian Cave & Karst Research Group,**  
PO Box 338,  
SANDY BAY 7005  
Contact: Albert Goede (002) 43-7319  
*Journal of Tasmanian Cave & Karst Research*

**Tasmanian Caverneering Club,**  
PO Box 416,  
SANDY BAY 7005  
Contact: Stuart Nicholas (002) 28-3054  
Meetings: First and Third Wednesdays of each month.  
Wheatsheaf Hotel. Davey St Hobart

**Top End Speleological Society,**  
c/- Peter Bannink,  
PO Box 40242,  
CASUARINA 0811  
Contact: Karen Magraith

**University of New England Mountaineering Club,**  
University of New England,  
ARMIDALE 2351

### STATE SPELEOLOGICAL COUNCILS

**NSW Speleological Council,**  
Pat Larkin  
2/4 McLeod St,  
MOSMAN 2088  
(02) 960-4726

**South Australian Speleological Council,**  
Alan Jevons  
18 Exhibition Dr,  
MODBURY NORTH 5092  
(08) 265-4801



# ASF MEMBERSHIP LIST

*This list is for the use of ASF members only in the conduct of federation business. Use of this list for any other purpose not especially authorized by the ASF Executive, Commissions or its member organisations is forbidden.*

The list is in alphabetical order with the name of the club shown in *italics* at the end of the first line. The list is as up to date as is humanly possible, but if you have moved then please let Steve Brooks know. His address is: 6 Kidbrook Pl Westfield WA 6111. Ph (09) 495-1661

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**Basil, SUSS**  
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GLEBE, NSW 2037

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HUNTERS HILL, NSW 2110

**ALLEN Kay, CQSS**  
C/- FLORENCE HOUSE  
GIRLS GRAMMAR SCHOOL  
AGNES ST  
ROCKHAMPTON, QLD 4700

**ALLISION E, CQSS**  
C/- Bob Hayes Real Estate  
99 Musgrave Street  
NORTH ROCKHAMPTON, QLD 4702

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**ALLUM / VAGG Marcia, SUSS**  
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LILYFIELD, NSW 2040

**ALLUM / VAGG Ron, SUSS**  
7 Percival St  
LILYFIELD, NSW 2040

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ARANDA, NSW 2614

**ANDERSON George, MSS**  
22 CROWLEY ST  
BEROWA, NSW 2081

**ANDERSON Neil, CSS**  
18 ARABANA ST  
ARANDA, NSW 2614

**ANDERSON Ross, SRGWA**  
15/56 Hackett St  
MANDURAH, WA 6210

**ANDREW Lauren, FUSS**  
4/36 Esplanade  
SOMERTON PARK, SA 5044

**ANEMAIT Brian, FUSS**  
10 David Crescent  
CHRISTIE DOWNS, SA 5164

**ANG Kenny Kean, NUCC**  
C/- National Uni Caving Club  
GPO Box 4  
CANBERRA, ACT 2601

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LOT 16 MCMAHONS RD  
BANGHOLME, VIC 3175

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GOWRIE, ACT 2904

**APPS Robert, CSS**  
10 Rickard Place  
GOWRIE, ACT 2904

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MEREWETHER, NSW 2291

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29 ELIZABETH ST  
MT GAMBIER, SA 5290

**ATTARD Michael, UTS3**  
17 Grey Gum Drive  
WOODFORD, NSW 2778

**AU Annisa, UTS3**  
68 Range Road  
WEST PENNANT HILLS, NSW 2125

**AUGUSTEYN Anne, CQSS**  
Olsens Capricorn Caverns  
THE CAVES, QLD 4702

**AUGUSTEYN John, CQSS**  
C/- Olsens Capricorn Caverns  
THE CAVES, QLD 4702

**AUGUSTEYN Ken, CQSS**  
C/- Olsens Capricorn Caverns  
THE CAVES, QLD 4702

**BACKWELL B, VSA**  
85 SOUTH VALLEY ROAD  
HIGHTON, VIC 3216

**BADDELEY G, VSA**  
3 QUEENS PDE  
BURWOOD, VIC 3125

**BAIN Terry, WASG**  
P.O. Box 198  
WODEN, ACT 2606

**BAKER Bruce, WASG**  
3 Tintal Place  
KARDINYA, WA 6163

## Baker to Brennan

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90 Parkes St  
HELENSBURGH, 2508

**BAKER L, BMSC**  
PO BOX 44  
ENGADINE, NSW 2233

**BAKER LEN, BMSC**  
65 BUNNAL AVE  
WIMMALEE, NSW 2777

**BAKER Tony, CWCG**  
7 Landseer Street  
RAGLAN, NSW 2795

**BAKKER Joyce, CEGSA**  
4 ST ANNES FLATS  
40 CHOPPIN RD  
SOMERTON PARK, SA 5044

**BALLARD Danny, SRGWA**  
PO Box 379  
TOODYAY, WA 6556

**BALLARD Manya, SRGWA**  
PO Box 379  
TOODYAY, WA 6556

**BANBURY Paul, MUCG**  
1/46 Beecroft Rd  
Epping, NSW 2112

**BANNERMAN N, KSS**  
112 SHERWOOD RD  
ALDAVILLA  
KEMPSEY, NSW 2440

**BANNINK Guy, FUSS**  
C/O P.O. Box 40242  
CASUARINA, NT 0811

**BANNINK Peter, IND**  
C/- 29 Kapalyu  
TIWI, NT 0810

**BARRETT Tim, CSS**  
16 Bertel Cres  
CHAPMAN, NSW 2611

**BARRON Warren, CQSS**  
127 Lyndale Street  
DAISY HILL, QLD 4217

~~**BASTIAN Lex, FE**  
16 Norcott Vista  
MARANGAROO, WA 6064~~

**BASTIAN Lex, WASG**  
16 Norcott Vista  
MARANGAROO, WA 6064

**BATTEN Warren, CQSS**  
6 Ballandean Road  
MURRARIE, QLD 4172

**BEARDSSELL Kim, SRGWA**  
1/135 ROBERTS RD  
COMO, WA 6152

**BEARUP D, BMSC**  
3 JENOLAN ST  
OBERON, NSW 2787

**BECK Shane, SUSS**  
37 Rowley St  
CAMPERDOWN, NSW 2050

**BECKER D, RANCA**  
P.O. BOX 51  
COWRA, NSW 2794

**BEELITZ Julie, WASSG**  
P.O. Box 87  
BOYANUP, WA 6237

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**PIMM Melanie, WASSG**  
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**PIMM Michael, WASSG**  
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**WATTERS Dan, NUCC**  
77 Stonehaven Cres  
DEAKIN, ACT 2600

**WATTERSON Arthur, BCA**  
5 DWYER ST  
GYMEA, NSW 2227

**WATTERSON Bev, WASSG**  
PO Box 51  
AUGUSTA, WA 6290

**WATTERSON Cynthia, WASSG**  
PO Box 51  
AUGUSTA, WA 6290

**WATTERSON David, WASSG**  
PO Box 51  
AUGUSTA, WA 6290

**WATTERSON David, BCA**  
5 DWYER ST  
GYMEA, NSW 2227

**WAUGH Russell, WASG**  
10 Brae Court  
COOLOONGUP, WA 6168

**WEBB Gabriel, HCG**  
41 Beemera Street  
FAIRFIELD WEST, NSW 2165

**WEBB John, VSA**  
GEOLOGY DEPT.  
LA TROBE UNIVERSITY  
BUNDOORA, VIC 3083

**WEBB Rauleigh, WASG**  
428 Charles St  
NORTH PERTH, WA 6006

**WEBBER M, ECRC**  
13 WYONG PLACE  
ENGADINE, NSW 2233

**WEILER Betty, NHVSS**  
1/35 Parnell Place  
NEWCASTLE, NSW 2300

**WELCH Bruce, SUSS**  
21 Thompson St  
MARRICKVILLE, NSW 2204

**WELLS PASTOR JOHN, CQSS**  
C/- Seventh Day Adventist Church  
19 EAGLE TERRACE  
BRISBANE, QLD 4000

**WHITE Gary, CEGSA**  
22 BETTS ST  
CEDUNA, SA 5690

**WHITE Greg, RANCA**  
14 Thelma St  
MARSFIELD, NSW 2122

**WHITE Nicholas, FE**  
123 MANNINGHAM ST  
WEST PARKVILLE, VIC 3052

**WHITE S, VSA**  
123 Manningham Street  
WEST PARKVILLE, VIC 3052

**WHITEHEAD Mark, NC**  
P.O. Box 557  
WEIPA, QLD 4874

**WHITFIELD Graeme, CSS**  
3 Corey Pl  
GOWRIE, ACT 2904

**WHITLEY MICHAEL, BCA**  
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HELENSBURGH, 2508

**WHITTEN M, ECRC**  
304 SYLVANIA RD  
GYMEA, NSW 2227

**WHITTINGTON J, VSA**  
540 NEPEAN HIGHWAY  
BONBEACH, VIC 3199

**WHYTE Rob, UNSWSS**  
P O BOX 134  
ST MARYS, NSW 2760

**WILCOX L, HSC**  
2/4-6 ARTISAN RD  
SEVEN HILLS, NSW 2147

**WILKIN Brett, NC**  
PO BOX 1220  
GRAVELLY BEACH, TAS 7276

**WILKIN Geoff, BCA**  
15 BULUMIN ST  
WEST COMO, NSW 2226

**WILKIN Ian, BCA**  
90 PARKES ST  
HELENSBURGH, NSW 2508

**WILKINS Greg, SUSS**  
62 Church St  
BALMAIN, NSW 2041

**WILKINSON Bridget, CEGSA**  
13 Walker Street  
MILLCENT, SA 5280

**WILKINSON Simon, NUCC**  
180 Hodgson Crescent  
PEARCE, ACT 2607

**WILLIAMS L, VSA**  
8 ALLNUTT COURT  
CHELTENHAM, VIC 3192

**WILLIAMS Lyle, NUCC**  
12 Yolla Place  
LYONS, ACT 2606

**WILLIS/VAUGHAN-TAYLOR  
Keir, SUSS**  
43 Western Cr  
GLADESVILLE, NSW 2111

**WILLIS/VAUGHEN-TAYLOR  
Lachlan, SUSS**  
43 Western Crescent  
GLADESVILLE, NSW 2111

**WILLIS/VAUGHEN-TAYLOR  
Susan, SUSS**  
43 Western Crescent  
GLADESVILLE, NSW 2111

**WILSON L, BMSC**  
125 RICKARD RD  
WARRIMOO, NSW 2774

**WILSON Tania, FUSS**  
90 Frederick Street  
UNLEY, SA 5091

**WINTER Joy, BCA**  
90 Parkes St  
HELENSBURGH, 2508

**WOLFENDEN SHERYL, CSS**  
25 Fowles St  
WESTON, ACT 2611

**WONE Peter, CQSS**  
338 Quay Street  
ROCKHAMPTON, QLD 4700

**WOOD A, VSA**  
50 COMANS STREET  
MORWELL, VIC 3840

**WOOD Anne, WASSG**  
RMB 100  
KARRIDALE, WA 6288

## Wood to Zopf

**WOOD Barbara, WASG**  
26 Ross Ave  
SORRENTO, WA 6020

**WOOD Carlen, WASSG**  
RMB 100  
KARRIDALE, WA 6288

**WOOD Kate, WASSG**  
RMB 100  
KARRIDALE, WA 6288

**WOOD Michelle, WASSG**  
RMB 100  
KARRIDALE, WA 6288

**WOOD Peter, WASSG**  
RMB 100  
KARRIDALE, WA 6288

**WOOD Ray, WASG**  
11 Pavetta Cres  
FORRESTFIELD, WA 6058

**WOOD Richard, WASG**  
26 Ross Ave  
SORRENTO, WA 6020

**WOOD S, VSA**  
1 NEWTON COURT  
MORWELL, VIC 3840

**WOODCOCK Gary, CEGSA**  
C/- Post Office  
HOUGHTON, SA 5131

**WOODS David, WASG**  
14 Noel Rd  
GOOSEBERRY HILL, WA 6076

**WOODS Peter, UNSWSS**  
P.O. Box 911  
TAMWORTH, NSW 2340

**WOODWARD Graham, CEGSA**  
27 HARROW AVE  
MAGILL, SA 5072

**WOODWARD Michael, CEGSA**  
27 HARROW AVE  
MAGILL, SA 5072

**WOOLHOUSE Bob, NC**  
RSE 98  
DEVLOT, TAS 7275

**WOOLS-COBB David, NC**  
P.O. Box 20  
ULVERSTONE, TAS 7315

**WRAY Robert, HCG**  
BERWICK PARK  
BERWICK PARK RD  
PICTON, NSW 2571

**WRIGHT David, CEGSA**  
31 TEUSNER DRIVE  
MORPHETT VALE, SA 5162  
**WRIGHT Debbie, OSS**  
Mayne Street  
CARGO, NSW 2800

**WRIGHT Lorraine, OSS**  
Mayne Street  
CARGO, NSW 2800

**WRIGHT Ron, OSS**  
Mayne Street  
CARGO, NSW 2800

**WUTTKE David, FREE**  
Treasury Department  
G.P.O. Box 1045  
ADELAIDE, SA 5001

**WYKAMP J, RANCA**  
2/7 LINSLEY ST  
GLADESVILLE, NSW 2111

**WYLD L, VSA**  
6/28 LILLIMUR ROAD  
ORMOND, VIC 3163

**WYNNE Richard, SRGWA**  
Silver Chain Nursing  
EUCLA, WA 6443

**YATES John, WASSG**  
C/- Post Office  
WITCHCLIFFE, WA 6286

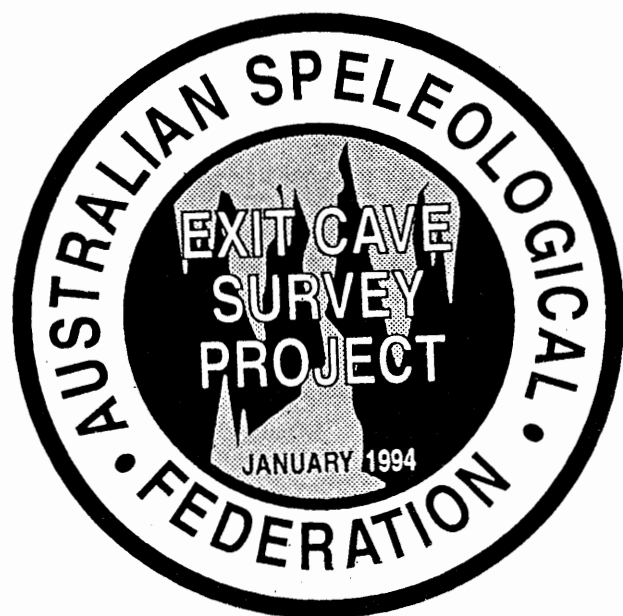
**YOUNG Chris, SUSS**  
10/11 Little St  
LANE COVE, NSW 2066

**YUSSOF Shaharin, SUSS**  
2/16 Middleton St  
PETERSHAM, NSW 2049

**ZAMPROGNO Nathan, SUSS**  
53 Saunders Rd  
OAKVILLE, NSW 2765

**ZIMMERMAN T, BMSC**  
60 LURNE ST  
KATOOMBA, NSW 2780

**ZOPF Roland, CWCG**  
34 Martha Street  
BLAYNEY, NSW 2799



The Project's aim is to continue the survey of Exit Cave.

Participants should be competent surveyors.

Please note that the conditions of Exit Cave require warm clothing, (temperature around seven degrees).

All participants will need to be self sufficient in camping gear, food & transport etc.

Contact:

Arthur Clarke (002) 28 2099  
or Ian Houshold (002) 33 3868

# CAVE ACCIDENT AND INCIDENT REPORT FORM

Your Name (optional): \_\_\_\_\_  
Your A.S.F. Affiliation: \_\_\_\_\_  
Today's Date: \_\_\_\_\_ Date of Incident: \_\_\_\_\_  
Address (optional): \_\_\_\_\_  
Phone (optional): Home ( ) \_\_\_\_\_ Work ( ) \_\_\_\_\_

Please tick as many boxes as required for the following questions:

## Source of Information:

I am the: Victim ☐  
Witness ☐  
Rescuer ☐  
Uninvolved ☐

## Contributing Factors:

Gear Failure ☐  
Unsafe practice ☐  
Bad luck ☐  
Inexperience ☐

## Injuries Sustained:

None ☐  
Minor ☐  
First aid required ☐

Hospitalisation req. ☐  
Very serious ☐  
Fatal ☐

Number of people injured \_\_\_\_\_

If known please supply a brief description of injuries.

Use the back of this form if necessary.

## If rescue was required how was it undertaken:

Self rescue ☐ Assistance required (unofficial) ☐  
Assistance required (Cave Guide etc.) ☐  
Assistance required (Police/Official Rescue Group) ☐

## Cave Description:

Name and number (if known) or physical location (if known) \_\_\_\_\_

Wet (deep standing pools or running stream) ☐  
Dry (no water or slight seepage and shallow pools only) ☐  
Horizontal: Under 200m long ☐ Over 200m long ☐  
Vertical: Pitches less than 30m ☐ Pitches more than 30m ☐

## Party Description:

Size of group: 1 - 4 ☐ 4 - 10 ☐ 11 plus ☐  
ASF affiliated group ☐ Non-ASF affiliated\* ☐

\* Please supply details if known here:

Has the incident been written up in a journal/circular/letter etc ?  
If so please supply references here:

Please supply any further details that you consider relevant overleaf  
(attach extra sheets if necessary). Also if available please enclose  
with the form copies of referenced articles.

When this form is completed please send to:  
A.S.F. INC., P.O. BOX 388, BROADWAY, NSW 2007

Thank you for your assistance and cooperation.



