

CAVE MANAGEMENT NEWSLETTER

No.1, July 1978.

Published irregularly by the Commission on Cave Tourism and Management,
Australian Speleological Federation.

Editor: Elery Hamilton-Smith,
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CARLTON SOUTH, Vic. 3053.

At the second Australian Conference on Cave Tourism and Management held in Hobart in May, 1977, it was asked that an informal information exchange newsletter be developed. This is it. If you like it and would find it useful for something like this to continue, let us have any news or notes which might be published in it. If you know anyone else who should receive copies of it, again let us know.

THIRD AUSTRALIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT MOUNT GAMBIER, SOUTH AUSTRALIA, 30TH APRIL TO 4TH MAY, 1979.

Arrangements are now underway for this third conference. The conference itself will be held at Mount Gambier but the program will include a visit to Naracoorte Caves with their well-known fossil deposits. We are told the new interpretative centre and other new developments there are likely to be either finished or very well underway by the time of the conference.

It is being organized jointly by the South Australian National Parks and Wildlife Service and the Cave Exploration Group of South Australia. Please fill in and return the form at the back of this newsletter. It, and any other correspondence to deal with the conference should be sent to Ed Bailey, 2 Boorman Avenue, Pasadena, South Australia, 5042.

ACTION

- * Let Elery Hamilton-Smith know if this is wrongly addressed or if copy should be sent to anybody else not yet on the mailing list.
- * Send to Elery Hamilton-Smith your news and notes for the next newsletter.
- * Register with Ed Bailey for the next conference.

REVIEW OF CAVE CLASSIFICATION IN AUSTRALIA

Elery Hamilton-Smith

INTRODUCTION

At the second Australian Conference on Cave Tourism and Management it was resolved that a summary of progress on cave classification should be prepared and circulated to those attending. This resolution arose out of discussion which indicated that there was some variation in approach to the classification of caves for management purposes and a feeling expressed by some delegates that it would be advantageous to achieve some level of agreement between the systems used in various states of Australia. This was argued on the basis that although management rests with state authorities, users are not limited by state boundaries and move from state to state. Effective implementation of classification might therefore be expedited if there were a common understanding and users encountered a comparable approach irrespective of the state concerned.

It is not easy to do full justice to the various discussions of cave classification in a brief summary. This paper should not be relied upon for a full understanding of any of the existing proposals, and the original documents cited should be examined.

SIX APPROACHES

The first formal reference to management classification of caves I have been able to locate is that of Andrew Skinner (1973). Andrew proposed five classes more or less in descending order of importance for tourist purposes ranging from fully developed and protected caves to caves of no importance. It is perhaps an interesting commentary to note that no later classification have given recognition to the possibility that there may be caves of no importance.

At about the same time, Grahame Worboys of the New South Wales Parks and Wildlife Service, had commenced work on thinking about cave classification initially in respect to the Kosciusko National Park, but then extending this to the total responsibility of the New South Wales Park Service. Worboys certainly had prepared internal documents for the Park Service and discussed this matter as early as 1973, but the first publication of his thinking was in a paper to the Australian Speleological Federation Conference (December 1976). His proposals are also outlined by Cameron-Smith (1977).

Worboys presents a relatively comprehensive scheme which places cave classification in a context of also classifying cavernous areas, parks or nature reserves and the total Service estate. He also suggests the need for classification within caves. His proposal involves six levels of classification ranging from closed caves to public access (= tourist) caves. Hamilton-Smith (1977) also discussed the question in a lecture to the National Park Ranger Training Program in Victoria. He suggests six classifications also and differs from Worboys in that he argues for an almost complete closure of reference caves and suggests that caves awaiting classification be not incorporated in the scheme.

In Western Australia a committee of speleologists met under the aegis of the Department of Conservation and Environment and prepared a submission on the protection and management of caves in south-western Australia. They proposed basically a three category classification based upon control of access. A very similar classification based upon South Australian experience is suggested by Macrow and Gobby (1977).

Finally, in a report prepared for the National Parks and Wildlife Service of Queensland by Paul Wilson (1977) a further scheme is proposed based upon four major classes ranging from limited access to tourist caves with controlled entry. Wilson also suggests some sub-divisions between each of these classifications and he suggests that caves not yet classified should be seen as falling within caves opened to recognised speleologists - probably the most realistic approach to un-classified sites.

The table on the next page attempts to provide a comparative summary of each of these schemes. This inevitably involves some judgement on the part of the present author in statements about comparability between the various schemes.

COMMENTARY

Obviously the real test of any classification scheme for management purposes is "will it work?". Concern has been expressed that Worboys' proposals are unduly complex and would be difficult to implement at park level. However, his proposal is the only one which so far gives attention to the relationship between individual caves on one hand and zoning of a total cavernous area on the other and this is clearly an issue for further discussion. The present author has suggested in discussion that the surface zoning of a park is one of the factors which would be taken into account in determining the classification of an individual cave but it would probably be more appropriate to argue that surface zoning and the classification of individual caves should be mutually inter-dependent.

Comments on this review, or reports on progress in thinking about cave classification will be welcomed for future issues of the Newsletter.

REFERENCES

- Cameron-Smith, B., (1977), Cave Management in New South Wales National Parks, *Cave Management in Australia II* : 13-25.
- Hamilton-Smith, E., (1977), Introduction to the Management of Caves and Karst Areas, *J. Sydney Speleo. Soc.*, 21 (1) : 3-15.
- Macrow, P., & Gobby, A.R. (1977), Tourist Cave Management in South Australia, *Cave Management in Australia II* : 27-37.
- Skinner, A.D., (1973), *Mass Recreation at Ida Bay, The Development of Exit Cave*, unpublished thesis, Tasmanian College of Advanced Education.
- Western Australia (1977), *Submission to the Department of Conservation and Environment on Cave Protection and Management in South-Western Australia*.
- Wilson, P., (1977), *Managing the Limestone Caves of Chillagoe and Mungana*, report prepared for the National Parks and Wildlife Service of Queensland. (An internal report not to be taken as N.P. & W.L.S. policy.)
- Worboys, G., (in press), A Basis for Cave Management, *Proc. 11th Biennial Conference, Aust. Speleo. Fedn*, Canberra, 1976.

SKINNER	WORBOYS	HAMILTON-SMITH	W. AUSTRALIA	MACROW & GOBBY	WILSON
	1. Closed Caves 1.1 Awaiting Classification 1.2 Dangerous	1. Closed Caves (Dangerous) 2. Reference Caves "Unspoiled" caves as baseline for monitoring.			D3. Reference Caves "Unspoiled" caves, typical of area
B. Undeveloped caves with tourist potential	2. Reference Caves representative caves limited research access 3. Limited Access Caves	3. Limited Access Caves	1. Restricted Entry	1. Conservation Caves	D. Limited Access
C. Caves of little scientific or scenic importance	4. Speleological Access 5. Adventure Caves	4. Speleological Access 6. Open Access	2.1 Wild Caves 2.2 Adventure Caves	2. Wilderness Recreation 3. Tourist Caves	C. Speleological Access (includes un-classified) B. Free Access & "wild" tourist caves
A. Tourist Caves	6. Public Access Caves	5. Tourist Access	3. Tourist Caves		A. Tourist-controlled
E. Caves of no importance		Caves Awaiting Classification			

ODDS AND ENDS

The report of the Hobart Conference included a bibliography on aspects of cave management. We will use issues of this newsletter to try to keep people up-to-date with anything else important that comes to notice.

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- * Wilson, Paul, *Managing the Limestone Caves of Chillagoe and Mungana*, A Report to the National Parks and Wildlife Service of Queensland, 1977.
 - * Skinner, Roy, *Molecreek Cave Development Proposals*, A Report to the Tasmanian National Parks and Wildlife Service, May 1977.
(Both of the above are internal reports and not generally published. The Parks Service concerned may be willing to make copies available to other management authorities if requested.)
 - * A comprehensive management plan has just been prepared for the Department of Conservation and Environment West Australia, dealing with the Yallingup Cave. Again, copies may be available on request by other management authorities.
 - * A study of the Nullarbor Plains area of West Australia is currently being carried out by a team drawn from the Australian Speleological Federation working in conjunction with officers of various West Australian government authorities.
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Regular national symposiums on cave management are held in the United States. Reports have been published dealing with the first two of these.

The first (1975) reviewed management problems of the various managing authorities, dealt with the assessment and management of cave resources, aspects of cave visitor management, safety and management planning.

The second (1976) was a little more specific, dealing with carrying capacity, cave inventory and assessment, sub-surface management, management of commercial caves, and a small number of other papers.

Both of these are published by Speleo Books of New Mexico. Their Australian representative is Ross Ellis, 11 Arkana Street, Telopea, New South Wales, 2117. Ross has the 1975 Proceedings for \$10.00 plus postage (probably 80 cents now) and the second (1976) for \$9.00 plus postage. He expects the third to be available in a couple of months for approximately the same price. Ross is also able to supply other overseas books or papers dealing with caves.

- * The Proceedings of the 11th Biennial Conference of the Australian Speleological Federation (published December, 1977) include a number of papers on management issues:

Evaluation of Caves and Karst, E. Hamilton-Smith;
Basis for Cave Management, Graeme Worboys;
Karst Resource Management, Adrian Davey;
Cave Carrying Capacity as a Management Principle, Ludwig Reider;
Pollution in Moons Cave, Buchan, Victoria, Nicholas White and Adrian Davey;
Mount Etna Conservation, Glenn Pure;
Conservation and Other Blind Spots, Elery Hamilton-Smith;

many other papers describe aspects of speleological technique or of cave science.
- * Davey, A., Conservation of the Wyanbene Caves, N.S.W.,
J. Sydney Speleological Society, 22(6) : 133-142, June 1978.
- * Proceedings of the 6th International Congress of Speleology (Czechoslovakia 1973): Vol.7 has recently been published. It includes 38 papers on cave tourism and recreation and 9 papers on conservation. These are in a wide variety of languages, dealing with cave management issues in an even wider variety of countries.
- * Proceedings of the 7th International Speleological Congress (U.K. 1977) includes only 9 papers on conservation and tourism in English, French and German. Two are from Australia (Greg Middleton; Nick White and Elery Hamilton-Smith).
- * The master plan and environmental impact statement for the Mammoth Cave National Park in Kentucky has recently been published. I have not seen a copy yet but will make details available when these come to hand.
- * Frankland, J.C., Caving and Cave Rescue, *Community Health*, 7 : 108-114, 1975. This paper was drawn to my attention after the Hobart Conference in that it highlights the problem of safety and rescue in relation to parties of novices from schools or youth organizations. It also describes in some detail the medical problems involved and techniques currently used by the British Cave Rescue teams. They have the experience of 335 rescues upon which to draw!

THIRD AUSTRALIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT

TO: ED BAILEY,
2 BOORMAN AVENUE,
PASADENA,
SOUTH AUSTRALIA. 5042.

THE FOLLOWING PERSONS ARE LIKELY TO ATTEND THE CONFERENCE.
PLEASE FORWARD FURTHER DETAILS:

NAME	ADDRESS
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I/WE ARE WILLING TO PRESENT A PAPER(S) AS BELOW:

TITLE	AUTHOR(S)
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CAVE MANAGEMENT NEWSLETTER

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Published irregularly by the Commission on Cave Tourism and Management,
Australian Speleological Federation.

Editor: Elery Hamilton-Smith,
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CARLTON SOUTH, Vic. 3053.

THIRD AUSTRALIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT MOUNT GAMBIER, SOUTH AUSTRALIA, 30TH APRIL TO 4TH MAY, 1979.

At last count, we had received twenty-four enrolments which between them, cover all Australian States, the Northern Territory, and two New Zealand visitors. Having such a breadth of representation promises to make this an even more interesting conference than those of the past.

THERE IS STILL TIME TO ENROL BUT PLEASE DO IT NOW. ENROLMENTS SHOULD BE SENT TO ED BAILEY, 2 BOORMAN AVENUE, PASADENA, SOUTH AUSTRALIA, 5042.

The full conference fee, less any deposit you have already paid, is to be paid to the conference organisers on arrival. Fees are:

Single room accommodation, \$157.00

Shared accommodation, \$133.00

Non-resident delegate, \$27.00

Those arriving prior to the Monday morning or remaining on the Friday night must make their own arrangements for direct payment to the motel for the additional time. We understand the motel is a truly comfortable one and even includes an indoor swimming pool.

Those presenting papers are asked to send a copy to Mr. Peter Macrow, National Parks and Wildlife Service, Department of the Environment, 129 Greenhill Road, Umley, South Australia, 5061, by 20th April, 1979. If you cannot make this deadline please bring thirty-six copies of your paper with you for distribution. Notify Peter Macrow if you require a projector or any other aids for your presentation.

The provisional program appears over leaf. We anticipate a few more papers will be presented but if you wish to present a paper and your name is not on this program, please let Ed Bailey or Elery Hamilton-Smith know immediately.

THIRD AUSTRALIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT PRELIMINARY PROGRAM.

MONDAY, 30TH APRIL.

- Morning: Arrival and Registration.
- Official Opening of Conference by Mr. Peter Cornish,
 Acting Director, South Australian National Parks
 and Wildlife Service.
- Afternoon: A visit to Picanninnie Ponds Conservation Park and
 to Princess Margaret Rose Cave. The Ponds are
 a most unusual geological feature of a type found
 only in the south east of South Australia,
 Florida and Mexico.

TUESDAY, 1ST MAY.

Full-day visit to Naracoorte Caves Conservation Park.
A paper presented by Dr. Rod Wells, Dominic Williams and
Paul Lawson, entitled *Science and Tourism - The Naracoorte
Experience*, will be presented at Naracoorte in the
Interpretation Centre.

WEDNESDAY, 2ND MAY.

- Morning: Peter Smith - *Geology of the South East Region.*
 Kevin Moriarty - *Geological History of the
 Naracoorte Caves.*
- Afternoon: R.W. Carter - *An Approach to the Interpretation
 of Cave Systems in Queensland.*
 Cliff Ellis - *Establishment of a Karst National
 Park in the Katherine Region of the Northern
 Territory.*
 Clyde Stiff - *Self-Guided Tours at Wombeyan.*

THURSDAY, 3RD MAY.

Morning: Les Kermode - *An assessment of New Zealand Tourist Caves.*
David Williams - *Tourism and Conservation at Waitomo Caves, New Zealand.*
Elery Hamilton-Smith - *Plitvice, Yugoslavia: A Case Study in Karst Management.*

Afternoon: Les Kermode - *Cave Corrosion by Tourists.*

FRIDAY, 4TH MAY.

A general forum and business meeting of the conference.

- * Progress Report, Commission of Cave Tourism and Management.
- * Classification of caves. It was agreed at the Second Conference held in Hobart, that a review of cave classification would be prepared and circulated and that this would be discussed at the Third Conference with a view to making recommendations on greater uniformity in cave classification for Australia. A summary has been published in the first issue of this Newsletter.
- * Caves and education. Several people have expressed interest in discussing the implications of recent changes in education for pressures upon caves.
- * Any other business.

ODDS AND ENDS

Again we have a series of notes on recent publications. Please feel free to use this Newsletter for news items, what is happening in your area, or your own requests for information on any aspect.

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- * Kalish, John, 'Spelunking: An Interpretive Frontier', *Parks and Recreation* (U.S.A.), August 1978, pp.33-34, 38. Describes "Wilderness" Cave Tours being organised in the United States and suggests guidelines for the management of such tours.
 - * Cameron-Smith, Barbara, 'Caves in National Parks', *Parks and Wildlife*, 2(2) 37-41. A brief review of the issues facing National Park managers with responsibility for caves.
 - * Watson John, 'Caves in Western Australia', *Dept. Cons. and Envir., W. Aust., Bulletin*, 51, September, 1978. Somewhat similar paper to that by Cameron-Smith but relating specifically to Western Australia and outlining the thinking on management which has developed in that state.
 - * *National Park Management Symposium Proceedings 1977*, Adobe Press, Albuquerque, New Mexico, 1978. This is the Proceedings of the Third North American Cave Management Symposium. It consists of 140 pages of valuable papers dealing with a wide range of issues. These include cave inventory and classification, management planning (including lava caves), biological management, local liability, restoration and monitoring, interpretation and radio-activity in caves. Copies are available in Australia from Ross Ellis, 11 Arkana Street, Telopea, New South Wales, 2117. Price \$12.00 plus 75 cents postage.
 - * *Land for Leisure* (Proceedings of Royal Australian Institute of Parks and Recreation Conference, Tasmania, 1978). This is an extremely valuable collection of papers on general issues in recreational land management. Papers by John Watson on special interest groups in planning and management of outdoor recreation and by Dennis Chinner on interpretation both include reference to aspects of cave and karst management.

Western Australia has had a busy time with conferences. A seminar on Tourist Cave Management was jointly organised by the Department of Conservation and Environment, the Department of Tourism, and the Busselton Tourist Bureau. This was held in November, 1978.

The Proceedings include a summary of the papers given together with an account of an assessment of attitudes towards aspects of cave management actually undertaken at the seminar. It is expected they will shortly be available from the Department of Tourism.

The Twelfth Biennial Conference of the Australian Speleological Federation was also held in Perth at the beginning of 1979. The organisers claim it was the first conference of the 150th Birthday Year!

A number of the papers given had implications for management including a report on the use of visitor books to monitor pressure on undeveloped caves, an analysis of trends in membership of speleological societies in New South Wales, and a paper on changes in education which have implications for cave management. Proceedings are expected to be available later in the year.

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FOURTH AUSTRALASIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT ; YALLINGUP, WESTERN AUSTRALIA ; 14-18TH SEPT. 1981.

Caves House, Yallingup will be the venue for the next conference. This is within easy walking distance of the Yallingup Cave, while tours will be arranged to the caves at Margaret River and Augusta. Those with more time to spare will find lots of other tourist interest in this fascinating region.

Preliminary bookings should be made immediately - see the attached form. Details of conference fees and accomodation will be available to those sending in the preliminary form. All correspondence regarding the conference should be directed to Mrs. Joy Smith, Busselton Tourist Bureau, 22 Causeway Rd., Busselton, W.A. 6280.

If you are able and willing to give a paper, slide presentation or some other aspect of conference program, let Joy know.

Issues arising from discussion at the third conference on which we expect reports are :

Cave Classification (G.Worboys, A. Davey, C. Stiff)

Regulations for cave reserves (A. Skinner)

Guidelines or standards for cave lighting (M.Pierce)

I expect to present a videotape presentation on Cave Interpretation, based upon the Naracoorte Caves presentation, and prepared as a teaching film. Copies will be available at cost to management authorities who wish to acquire their own copy.

ACTION

- * Book NOW with Joy for the Conference
- * Let Elery Hamilton-Smith have any notes for the next newsletter or addresses of anyone else who should be on the mailing list.

ODDS AND ENDS

- * Proceedings of the first conference (Jenolan 1973) are available from Elery Hamilton-Smith. Now \$2.00 plus post & packing \$1.00.
- * Proceedings of the second conference (limited number only) are National Parks & Wildlife Service, Magnet Court, Sandy Bay, Tasmania 7005 for \$7.50.
- * Proceedings of the third conference are available from Elery Hamilton-Smith for \$8.00 plus post & packing \$1.50.
- * Bruce Allen has left Naracoorte Caves and is now running the store at Kongorong. John Callaghan has left Jenolan and is now manager at Tantanoola, South Australia. Clyde Stiff retires from Wombeyan this year - we hope he will still be able to come to Yallingup as a farewell night is promised !
- * A team from the Federation has been working over the last six months on the preparation of a draft management plan for the Tantanoola Caves Conservation Park in South Australia. This is expected to be published by the South Australian National Parks & Wildlife Service later this year.
- * The Federation has published a checklist of Australian Caves and Karst. It is available from Peter Matthews, 66 Frogmore Crescent, Park Orchards, Vict. 3114 for \$10.00.
- * The bibliography which follows is an attempt to list all Australian literature on cave management. Let us know if we have missed anything and we'll include it in supplementary lists.

David Williams has promised to put together a similar list for New Zealand. Any other offers ?

- * Do use this newsletter to pass on news of your own management activities - we are glad to put it together and circulate it but I have no wish to be author as well as editor !

BIBLIOGRAPHY OF CAVE AND
KARST MANAGEMENT IN AUSTRALIA

Peter B. Matthews & Elery Hamilton-Smith.

This bibliography attempts to provide a comprehensive listing of current literature on issues of cave and karst area management in Australia. However, a number of exclusions have been made, although at least some of these might usefully be listed in future bibliographies.

Thus, the many publications arguing aspects of conservation have not been included unless they also contain substantive reference to management practice. Descriptive articles in popular magazines have been omitted, as have the various promotional and interpretive materials prepared for the information of visitors to tourist caves.

No attempt has been made to list relevant legislation, regulations or other legal documents. The various reports prepared in the late nineteenth and early twentieth century and dealing with the initial establishment of cave reserves have also been omitted.

Finally, we have excluded the multitude of publications, amounting to many hundreds per annum, which describe caves or karst areas, and which present the results of scientific research upon these areas.

Other bibliographic aids which may assist in location of information on Australian caves include Australian Speleo Abstracts (1970-75 only available at present), Current Titles in Speleology, Bulletin Bibliographique (International Union of Speleology) and Australian Science Index.

It must also be noted that although all papers included in the proceedings of the conferences on Cave Management in Australia are listed, some of these are based upon overseas experience, or deal with general issues. These are indicated below.

- ALLEN, R.W., 1976, Princess Margaret Rose Cave, Victoria, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 45-48.
- ANON., 1973, Improvements to the Snowy Mountains Highway, *Main Roads* (N.S.W.): 38(4) : 98-100, 12 photos.
- ASLIN, F., 1972, Earls Cave, *A.S.F. NewsL.*, 57 : 15-16, 2 text-figs., 1 photo.
- AUSTRALIA : COMMITTEE OF INQUIRY INTO THE NATIONAL ESTATE, 1974, *Report of the National Estate*, Canberra : A.G.P.S., see pp. 182-189.
- BOGG, I.S. & PAVEY, A.J., 1980, A.S.F. membership demography, *Proc. 12th. Biennial Conf., Aust. Speleo. Fedn.*, pp. 160-168, 7 refs., 3 tables.
- BRENNAN, W., 1976, Experiences in cave management of the N.S.W. Department of tourism, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 11-24.
- BUTZ, M. & WORBOYS, G., 1980, Principles of karst management, in ROBINSON, A.C. (ed.) *Cave Management in Australia III*, pp. 49-71, 1 ref.
- CAMERON-SMITH, B., 1977, Cave Management in N.S.W. national parks, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 13-25.
- 1978, Caves in national parks, *Parks & Wildlife*, 2(2) : 37-41, 5 refs., 9 photos. (Also reprinted as a booklet by N.S.W. National Parks & Wildlife Service.)
- CAREY, A.R., 1977, Carey's Cave - past, present & future, in MIDDLETON (ed.) *Cave Management in Australia II*, pp. 49-51.
- CARTER, W.R., 1980, An approach to interpretive planning for cave use, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 129-147, 1 ref., 3 figs.
- WESTERN AUSTRALIA : CAVE WORKING GROUP, 1977, *Submission to the Department of Conservation and environment on cave protection and management in South-western Australia*.
(Not formally published, but see WATSON (1978) which is largely based upon this document.)
- CHINNER, D.W., 1978, Interpretation and park managers, in *Land for Leisure* (Proc. Ann. Conf. R.A.I.P.R., Burnie, Tas., 1978), pp. 131-139, 8 refs.
- COHEN, H.A., 1974, Management proposal for a proposed national park in the Byaduk-Wallacedale region of Western Victoria, *Nargun*, 6(8) : 15-18, 2 maps.
- CURTIS, H.S., 1975, Visitor access and facilities : Carlsbad Caverns (U.S.A.) and Chillagoe Caves (Qld.), *Proc. 10th. Biennial Conf., Aust. Speleo. Fedn.*, pp. 74-76.
- DAVEY, A., 1977, Karst resource management, *Proc. 11th Biennial Conf., Aust. Speleo. Fedn.*, pp. 17-20, 26 refs.
- 1980, The future of Australia's caves, *Proc. 12th Biennial Conf., Aust. Speleo. Fedn.*, pp. 17-21, 5 refs.
- 1980, Resource management of the Nullarbor Caves, *Proc. 12th Biennial Conf., Aust. Speleo. Fedn.*, pp. 22-26, 3 refs.
- 1980, Some considerations for systematic resource management of caves and karst, in ROBINSON, A.C. (ed.) *Cave Management in Australia III*, pp. 7-15, 7 refs., 1 table.

- DAVEY A. et al., 1978, *Yallingup Cave Park - a Management Plan*, Australian Speleological Federation for Western Australian Department of Conservation & Environment, ix + 120 pp., 38 refs., 14 text-figs., 51 plates, 2 maps.
- DAVEY, A. et al, 1978, *Resource Management of the Nullarbor Region, Western Australia*, Australian Speleological Federation for the Western Australian Environmental Protection Authority, viii + 120 pp., 171 refs., 25 text-figs., 55 plates, 11 tables, 8 appendices.
- DRISCOLL, I., 1977, The Binoomea Cut : Jenolan Caves, *Jenolan Caves Historical & Preservation Society Occas. Paper*, 4 : 1-14, 10 illustrations, 1 map.
- DUNKLEY, J.R., 1970, Route of the Snowy Mountains Highway, Yarrangobilly, *A.S.F. Newsl.*, 47 : 6-7.
- 1972, Some economic principles in conservation issues, *Proc. 8th Biennial Conf., Aust. Speleo. Fedn.*, pp. 57-60.
- 1976, Cave tourism and conservation, in HAMILTON-SMITH (ed.) *Cave Management in Australia*, pp. 71-76.
1980. Changes in education : some implications for cave usage and management, *Proc. 12th Biennial Conf., Aust. Speleo. Fedn.* pp. 169-172.
- 1980, Changes in education : some implications for cave development, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 123-138, 2 figs.
- DUNKLEY, J.R. & RIEDER, L.G. 1975, The heavy hand of modern man, *Aust. Nat. Hist.*, 18(6) : 226-229, 4 refs., 3 plates.
- DUNKLEY, J.R. et al, 1975, *Master Plan for the development of jenolan Caves Reserve*, Submission from Australian Speleological Federation to N.S.W. Dept. of Lands, 30 pp., incl. 9 maps.
- DUNLOP, B.T., 1967, *Handbook for Caves Guiding Staff*, Sydney : N.S.W. Dept. of Tourist Activities.
- ELLIS, C., in 1980, Proposed Katherine Karst National Park, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 73-76, 4 plates, 1 fig.
- 1980, Presentation and interpretation : Cutta-cutta Cave, Northern Territory, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 161-163, 1 fig.
- GOBBY, R., 1978, Walkways & Lighting : South Australian Experience, in WATSON (ed.), *Cave Tourism in Western Australia*, pp. 8-9.
- HAMILTON, B., 1978, Cave research and monitoring, in WATSON (ed.), *Cave Tourism in Western Australia*, p. 16.
- HAMILTON-SMITH, E., 1970, Biological aspects of cave conservation, *J. Sydney Speleo. Soc.*, 14(7) : 157-164, 21 refs.
- 1976, Speleology and government, *A.S.F. Newsl.*, 72 : 3-7, 9 refs.
- (Editor) 1976, *Cave Management in Australia*, Sydney : Aust. Speleo. Federation, iii + 109 pp. (Proceedings of first Australian Conference on Cave Tourism, Jenolan, N.S.W., 10-13th July, 1973).
- 1977, *Moparrabah : a potential innovation in cave tourism*, Report prepared for Kempsey-Macleay Valley Tourist Association, 7 pp., 2 refs.

1977, An introduction to the management of caves and karst areas, *J. Sydney Speleo. Soc.*, 21(1) : 3-15, 52 refs.
(Based upon a lecture to National Park Ranger Training Program, Victorian School of Forestry, Creswick, Victoria.
Also reprinted in ALEY, T. & RHODES, D., *National Cave Management Symposium Proceedings 1976*, Albuquerque, N.M.: Speleobooks, pp. 97-103.)

HAMILTON-SMITH, E., 1977, Evaluation of caves and karst, *Proc. 11th Biennial Conf., Aust. Speleo. Fedn.*, pp. 1-6, 11 refs. (also reprinted in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 87-96))

1977, Keynote Address : Caves and People-pressure, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 9-11, 3 refs.

1977, Is vandalism really necessary? in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 105-110, 3 refs.

1977, Do we need a cave management association?, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 111-112.

1978, Review of cave classification in Australia, *Cave Management Newsletter*, 1 : 2-4, 7 refs.

1980, Cave-based recreation in Australia, in CRAWFORD, R. (ed.), *Proc. 1st Aust. Symposium on History & Philosophy of Physical Education & Sport*, Melbourne: Preston Institute of Technology, pp. 111-125, Bibl. 24 refs.

1980, Plitvice : a case study in karst management, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 77-83, 12 refs., 1 fig., 1 table. (Based on Yugoslavian experience)

in press, The concept of recreational specialization, in MERCER, D.C. (ed.), *Outdoor Recreation : Australian Perspectives*, Malvern : Sorret Publishing, 2 text-figs., Bibl. 30 refs.

HAMILTON-SMITH, E., C.R. Champion & L. Robinson, 1974, *Cave Reserves of the Katherine Area*, Aust. Speleological Federation for the Northern Territory Reserves Board, 68 pp., 4 maps, 17 plates, 14 refs., fold-out map.

HAMILTON-SMITH, E. & R. Champion, 1975, *Mount Etna and the Caves*, Brisbane : Queensland Conservation Council and University of Queensland Speleological Society, xix + 147 pp., 32 text-figs. & plates, frontispiece, 48 refs.

HAMILTON-SMITH, E. & J.R. Watson, Karst & Cave Management in the Indian Ocean Region, *Papers International Conference on Indian Ocean Studies*, Perth 1979, 9 pp., 65 refs.
(A broad-scale review, but with considerable Australian content. Reprinted in ROBINSON, A.C., *Cave Management in Australia III*, pp. 17-28.)

HARRIS, S., in 1980, The potential scientific importance of caves in South-west Tasmania : a case for their preservation, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 43-47, 1 fig., 16 refs. (Essentially deals with conservation arguments with little reference to management.)

- HARRIS, S. & K. KIERNAN, 1971, Cave conservation in Tasmania, *Southern Caver*, 3(1) : 13-25, 3 maps, 3 refs.
- HART, R., 1980, Recreational caving in Western Australia : Some hard data (Abstract only), *Proc. 12th Biennial Conf., Aust. Speleo. Fedn.*, p.21.
- 1980, Overuse of caves : avoiding and repairing : a case study (Abstract only), *Proc. 12th. Biennial Conf., Aust. Speleo. Fedn.*, p.21.
- JAMES, J. *et.al.*, 1976, Timor Caves : a report on proposed development, *Sydney Speleo. Soc. Occas. Paper*, 6 : 1-50, 14 text.-figs., 8 plates, Bibl. 49 refs. (Report prepared 1973 for Murrurundi Shire Council.)
- JENNINGS, J.N., 1975, How well off is Australia for caves and karst? A Brief Geomorphic estimate, *Proc. 10th Biennial Conf., Aust. Speleo. Fedn.*, pp. 82-90.
- JOHNSON, K., in 1980, Control of *lampenflora* at Waitomo Caves, New Zealand, in ROBINSON, A.C. (ed.), *Cave Management in Australia 111* pp.105 - 122, 11 refs., 6 figs., 5 tables (Based upon N.Z. experience).
- KERMODE, L., 1980, Tourist Caves of New Zealand, in ROBINSON, A.C. (ed.), *Cave Management in Australia 111*, pp. 29 - 33, 1 fig. (Based upon N.Z. Experience. See also in *Proc. 6th International Congress of Speleology (Olomouc 1973)*, V11 : 215-220.)
- 1980, An assessment of New Zealand tourist caves, in ROBINSON, A.C. (ed.), *Cave Management in Australia 111*, pp. 35 - 41, 8 refs. (Based upon N.Z. experience).
- 1980, Cave corrosion by tourists, in ROBINSON, A.C. (ed.), *Cave Management in Australia 111*, pp.97-104, 8 refs., 8 figs., (Based upon N.Z. experience)
- KIERNAN, K., 1974, A critical examination of Tasmania's cave reserves, *Southern Caver*, 6 (2) : 3-25, incl. appendices.
- 1980, Man and karst in Tasmania (1), *Southern Caver*, 11 (4) : 9-16.
- 1980, Man and karst in Tasmania (11), *Southern Caver*, 12 (1) : 2-11, 65 refs.
- KINNEAR, V., 1976, Chillagoe Caves National Parks, Queensland, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp.43-44.
- LANCE, K., 1978, Caves as a regional resource, in WATSON (ed.), *Cave Tourism in Western Australia*, p.6.
- LUMBY, R.I., 1977, Development of Wellington Caves and their impact on the economy of the locality, in MIDDLETON (ed.), *Cave Management in Australia 11*, pp. 65-68.
- MACROW, P. & GOBBY, R., 1977, Tourist cave management in South Australia, in MIDDLETON (ed.), *Cave Management in Australia 11*, pp.27-37.

- MATTHEWS, P.G., 1972, Scrubby Creek : to cave or destroy? A policy for its preservation, *Nargun*, 4 (9) : 3-8.
- MAY, R., 1978, Surface management considerations, in WATSON (ed.), *Cave Tourism in Western Australia*, p.15.
- MIDDLETON, G.J., 1970, Current developments in interpretation at Yarrangobilly Caves, *J. Sydney Speleo. Soc.*, 14(11) : 259-262, 7 refs. (reprinted in *Kosciusko National Park Bulletin*, Apr. 1971.)
- 1976, Glory Hole Cave, Yarrangobilly : Australia's first self-guided cave, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 25 - 35, 1 map, 10 refs.
- (editor) 1977, *Cave Management in Australia 11*, Hobart : National Parks and Wildlife Service of Tasmania and Australian Speleological Federation. (Proceedings of 2nd, Australian Conference on Cave tourism and management, Hobart, 3-5th May, 1977.) iv.+ 119 pp.
- 1977, The management of Tasmania's caves, in MIDDLETON (ed.), *Cave Management in Australia 11*, pp.39-48, 2 text-figs., 5 refs.
- MIDDLETON, G.J., 1977, The conservation and management of caves in Tasmania, Australia, *Proc. 7th International Speleo. Congress* (Sheffield, U.K.), pp. 311-313, 5 ref., 1 map.
- NEWBOULD, R.L., 1974, Steam cleaning of Orient Cave, Jenolan Caves, N.S.W., *Jenolan Caves Historical & Preservation Society Occas.Paper*, 1 : 1-17, 11 illustrations, 2 refs.
- 1976, Steam cleaning of the Orient Cave, Jenolan, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp.87-90
- NURSE, B.S., 1976, Cave tourism and speleological exploration, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 67 - 70.
- O'BRIEN, B.J. & WATSON, J.R., 1977 The paradox of cave management, in MIDDLETON (ed.), *Cave Management in Australia 11*, pp. 97-104, 7 refs.
- OLLIER, C.D., 1974, Scientific research & cave tourism, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 53-65.
- O'ROURKE, B., 1976, Outdoor recreation planning and cave tourism in Australia, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 77-85, 2 text.-figs., 8 refs.
- PAVEY, A., 1975?, *Report to New South Wales Lands Department on proposed development of caves and surface areas on the Bungonia Caves State Recreation Reserve. Report on behalf of the Aust. Speleological Federation (N.S.W. Liaison Council).*

- POULTER, N., 1978, Speleophotography, in WATSON (ed.), *Cave Tourism in Western Australia*, p. 17.
- 1980, Restoration, stabilisation and gating of the Christmas Star extension of Crystal Cave (W162), Witchcliffe, Western Australia, *Proc. 12th. Biennial Conf., Aust. Speleo. Fedn.*, 10-14, 3 text-figs., 1 plate, 3 refs.
- RICHARDS, A.M. & OLLIER, C.D., 1976, *Investigation and report on the ecological protection of Exit Cave near Ida Bay in Tasmania*, Unisearch Ltd. for National Parks & Wildlife Service of Tasmania, 72 pp., appendix, 10 plates, 11 text-figs., 36 refs.
- RIDE, G., 1977, Development and management of the Cutta-cutta cave, Northern Territory, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 53-64, incl. 3 plates, 4 pp. appendices.
- RIEDER, L., 1976, The need for regional recreation parks and reserves in New South Wales, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 37-42. (Deals with the need for State Recreation Reserves without specific reference to caves.)
- 1977, Some user impacts on cave management and the concept of a cave carrying capacity as a central management principle, *Proc. 11th. Biennial Conf., Aust. Speleo. Fedn.*, pp. 21-25, 1 text-fig., 8 refs. (Based upon overseas experience.)
- 1977, Some thoughts and suggestions on the management of show cave resources, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 73-80, 3 text-figs.
- ROBINSON, A.C., (Editor), in press, *Cave Management in Australia III*, Adelaide : National Parks & Wildlife Service of South Australia and Australian Speleological Federation. (Proceedings of 3rd. Australian Conference on Cave Tourism and Management, Mt. Gambier, 30th April-4th May 1979).
- ROBINSON, L., 1976, Cave Lighting, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 91-102, 3 refs.
- SKINNER, A.D., 1973, *Mass recreation at Ida Bay : The Development of Exit Cave*, Thesis, Dept. of Environmental Design, Tasmanian College of Advanced Education, Hobart.
- 1980, Interim management proposals for Exit Cave state reserve, Ida Bay, Tasmania, in ROBINSON, A.C., (ed.), *Cave Management in Australia III*, pp. 155-159, 2 refs.
- SKINNER, R.K., 1972, *Tasmania's Caves : Observations on conservation and the importance of caves as recreation areas*. 72 pp., appendix, 15 refs. (Report of a Churchill Fellowship study tour, privately published by the author; deals largely with overseas experience.)
- 1976, Cave tourism around the world, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 5-9.
- 1977, Wilderness tours at Exit Cave, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 69-72, 1 text-fig.
- 1977, *Mole Creek Cave Development Proposals*, Report for National Parks & Wildlife Service of Tasmania, 10 pp., 3 maps, 10 figs., 10 plates.
- SMITH, P., 1978, Effects of self-guiding at Yallingup Cave, in WATSON (ed.) *Cave Tourism in Western Australia*, p. 10.

- SOUTH AUSTRALIA : DEPT. OF ENVIRONMENT & CONSERVATION, 1976, The fossil deposit, Victoria Cave, Naracoorte, South Australia, in HAMILTON-SMITH (ed.), *Cave Management in Australia*, pp. 49-52.
- SPACKMAN, R., 1978, Tourist Cave Interpretation, in WATSON (ed.), *Cave Tourism in Western Australia*, pp. 13-14.
- SPATE, A., 1972, Siltation at Yarrangobilly, *The Very Latest*, 6(2) : 3.
- STIFF, C., 1977, Initial guide training, in MIDDLETON (ed.), *Cave Management in Australia II*, pp. 81-86, incl. 2 pp. appendix, Bibl. 4 refs.
1980, Introduction of a self-guided tour at Wombeyan Caves, New South Wales, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 165-166, 1 fig.
- TERRY, J., 1978, Recent trends in cave tourism, in WATSON (ed.), *Cave Tourism in Western Australia*, p. 7.
- WATSON, J.R., 1978, The role of special interest groups in the planning and management of outdoor recreation, in *Land for Leisure* (Proc. Ann. Conf. R.A.I.P.R., Burnie, Tas., 1978), pp. 159-164, 4 text-figs., 4 refs.
1978, Caves in Western Australia, *Dept. Conservation & Environment Aust. Bulletin*, 51 : 1-6, 3 text-figs., 7 plates. (Author acknowledges that paper is based in part on the report of the Cave Working Group - see above).
(Editor), 1978, *Cave Tourism in Western Australia*, Perth : W. Aust. Dept. of Tourism, 28 pp. (Proceedings of seminar, Busselton, W.A., 10-11th. Nov. 1978.)
1978, Cave Management Seminar Assessment, in WATSON (ed.), *Cave Tourism in Western Australia*, pp. 20-28.
- WEATHERBURN, C.P., 1975, *Jenolan Caves Master Plan Report*, Sydney : Special Projects Section, N.S.W. Dept. of Public Works, 106 pp., 6 appendices, 35 text-figs.
- WELLS, R., D. WILLIAMS & P. LAWSON, 1980, Science and Tourism : the Naracoorte Experience, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 149-154, 5 refs. pp. 149-154.
- WHITE, N., 1973, A policy for the preservation of Exponential pot M125, *Nargun*, 6(4) : 5-7.
1976, Dumping of Milk : Allansford, Western Victoria, *Nargun*, 8(7) : 11.
- WHITE, N. & A. DAVEY, 1977, Pollution of Moon's Cave, Buchan, Victoria : A case study in cave reserve management, *Proc. 11th. Biennial Conf., Aust. Speleo. Fedn.*, pp. 26-31, 1 text-fig., appendix, 11 refs.
- WHITE, N. & E. HAMILTON-SMITH, 1977, Evaluating Caves & Karst, *Proc. 7th. International Speleo. Congress* (Sheffield, U.K.), pp. 427-429, 1 text-fig., 12 refs.
- WILLIAMS, D., 1980, Tourism and conservation at Waitomo Caves, New Zealand, in ROBINSON, A.C. (ed.), *Cave Management in Australia III*, pp. 91-96, 3 refs, 1 fig.
- WILLIAMSON, K., 1978, Review of cave types, in WATSON (ed.), *Cave Tourism in Western Australia*, p. 5.

- WILSON, B., 1978, Summary of Seminar, in WATSON (ed.), *Cave Tourism in Western Australia*, p. 18.
- WILSON, M., 1970, Cave Restoration : Yarrangobilly, *Napawi*, 1(4) : 4.
- WILSON, P., 1977, *Managing the limestone caves of Chillagoe and Mungana*, Report to the National Parks & Wildlife Service, Queensland, 73 pp., incl. 4 appendices, 15 refs.
- WORBOYS, G., 1976, *A basis for cave management*, Internal Report, National Parks & Wildlife Service (N.S.W.)
- 1977, *A basis for Cave Management*, *Proc. 11th Biennial Conf., Aust. Speleo. Fedn.*, pp. 7-16, 1 text-fig.
- YATES, J., 1978, Guide training at Mammoth & Lake Caves, in WATSON (ed.), *Cave Tourism in Western Australia*, pp. 11-12.

NOTE: An annotated list of Australian show caves, together with statistics of visitors, is included in each of the *Cave Management in Australia* volumes.

Periods covered are:

<i>Cave Management in Australia I</i>	:	1968-72	(pp. 103-105)
<i>Cave Management in Australia II</i>	:	1970-76	(pp. 115-118)
<i>Cave Management in Australia III</i>	:	1970-79	(pp. 169)

FOURTH AUSTRALASIAN CONFERENCE ON CAVE TOURISM/MANAGEMENT

TO : MRS. JOY SMITH
BUSSELTON TOURIST BUREAU
22 CAUSEWAY ROAD
BUSSELTON
W. AUST. 6280.

THE FOLLOWING PERSONS ARE LIKELY TO ATTEND THE CONFERENCE.
PLEASE SEND FURTHER DETAILS :

Name	Address
.....

.....

.....

I/WE ARE WILLING TO PRESENT A PAPER(S) AS BELOW :

Title	Author(s)
.....
.....	
.....
.....	
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.....	

Published irregularly by the Commission on Cave Tourism and Management,
Australian Speleological Federation.

Editor : Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053.

FIFTH AUSTRALASIAN CONFERENCE ON CAVE TOURISM AND MANAGEMENT : LAKES ENTRANCE, VICTORIA : 11-15TH. APRIL 1983.

The next conference will be held in Victoria. The Glenara Motel at Lakes Entrance will be the conference venue, and field trips will take in the Buchan Caves and other aspects of the surrounding area, including the little-known Nargun's Cave with its attendant management problems.

Those who have attended previous conferences will doubtless look forward to Alan Costigan's obvious capacity to be a good host. We may even be lucky enough to convince him that he should once again give an after-dinner speech !

We are able to provide bus transport from Tullamarine airport on Sunday 10th April if desired. Please let us know on the accompanying form if you would find this useful. All-up costs, including accommodation, meals, conference fee and travel is likely to be in the vicinity of \$200 - more details later.

Preliminary notification of whether you are likely to attend or not are needed now as a basis for further planning. Also let us know if you are willing to present a paper. Use the attached form to notify the conference secretary, Arnold Clarke, Accounts Branch, Crown Lands and Survey Department, 2 Treasury Place, Melbourne, Vict. 3002. Further details will be sent to all sending in this form.

ODDS & ENDS

* The proceedings of the 4th. conference are currently being prepared for publication - more news shortly. Proceedings of the first and third are still available at \$2.00 & \$8.00 respectively from Elery Hamilton-Smith. Include \$2.00 for postage.

* The draft management plan for the Tantanoola Caves Conservation Park prepared by a team from the Commission is expected from the printer shortly. Meanwhile, a team is about to commence work on a draft plan for the Naracoorte Caves Conservation Park.

ACT NOW

- Fill in the attached form and return to Arnold Clarke
- Let Elery H-S know if anyone else should receive this newsletter
- Write something for the next issue.

CAVE CONSERVATION IN WESTERN AUSTRALIA

WORKING GROUP ON CAVE MANAGEMENT AND PROTECTION

The Western Australian Working Group on Cave Management and Protection evolved from a recommendation made by the Western Australian Environmental Protection Authority in its 1976 "Red Book" report on national parks and nature reserves.

'1.4 (7) noting the three possible uses of caves, viz, commercial, recreation and archeological, the Department of Conservation and Environment (should) convene a meeting with the Conservator of Forests, the Director of the WA Museum and the Director of Tourism and cave exploration groups with a view to establishing liaison for adequate protection and management of commercial and non-commercial caves in the Leeuwin Naturaliste Ridge.'

As a prelude to the formal meeting proposed in this recommendation three informal meetings were held over a six month period at the Department of Conservation and Environment in order to prepare a discussion paper on the special requirements for cave conservation in the South West of the State. In addition to Departmental officers, seven speleologists participated: Ray Hart, Ken Lance, David Lowry, Duncan Merrilees, Norm Poulter, Sid Roatch and Kerry Williamson.

In June 1977, the discussion paper prepared by the working group was considered by the formally convened meeting, Chaired by the Director of Conservation and Environment, and was accepted in principle with some minor amendments. However, by this stage the working group had become involved in several other related aspects of cave conservation including concern over the publication of cave locations on readily available maps and the need for cave mapping and surface land use studies as an integral part of cave management. Furthermore, several unanswered questions and requests for further advice arose out of the formal meeting. It was therefore decided that the working group should continue to meet as necessary to deal with cave conservation matters arising anywhere within the State.

In the first five years of its deliberations the Working Group has met eleven times and other key personnel involved with the conservation of Western Australian caves have participated, including Richard May (National Parks Authority), George Kendrick (WA Museum) and speleologists Rauleigh Webb and Jim Campbell.

Several officers of the Department of Conservation and Environment have helped to service the working group and provide specialist advice on specific issues. Similar advice has been obtained, where necessary, from representatives of other organisations, including the Forests Department, Department of Fisheries and Wildlife and country tourist bureaux who run four of the public show caves in Western Australia.

The Working Group has provided an informal medium for the exchange of view between speleologists, representatives of the cave managing agencies and other involved parties. The overall thrust of the Group's deliberations has been to make Government aware of the special issues involved in cave management and protection, and to make speleologists more aware of the restraints and practical difficulties faced by cave managing agencies. At all times increased protection for caves has been of paramount concern.

In some instances the group has been unable to effect change that would be beneficial to cave conservation - for example, the marking of cave locations on publicly available maps. It has, however, had success in several areas and has also provided advice to the Lands Department with regard to the creation of new reserves for protection of caves.

As early as 1978 the Working Group prepared a small bulletin entitled "Caves in Western Australia" in which a cave classification scheme for the State was proposed. This publication has been circulated widely and has undoubtedly helped to create a more enlightened public awareness of the need for a cave conservation strategy. It is interesting to note that the simple four-tier classification adopted in the paper is quite similar to that now recommended for adoption on an Australia wide basis, some four years later, by the Fourth Australasian Conference on Cave Tourism and Management. With only a few changes in terminology and emphasis the national classification is already workable within the State classification.

Also in 1978, members of the Working Group played a key role in the organisation and presentation of a seminar on tourist cave management held at the Busselton Tourist Bureau and Yallingup Cave. This seminar was attended by representatives of all major cave managing agencies and user groups in Western Australia, and again helped to increase awareness of the issues involved in cave management, especially in show caves.

By late 1979 it seemed that the Working Group had fulfilled its initial role and there was some discussion of terminating its activities through the Department of Conservation and Environment.

However it was eventually decided that the Working Group still had a major advisory role to play, particularly in relation to recommendations for the reservation of land for conservation purposes throughout the State. It was felt that the group should continue as the State's major advisory body on caves until such time as a more appropriate alternative emerged.

Although the group has no formal status, it has proved invaluable in assisting cave conservation in Western Australia. The core membership has been retained by those actively involved in cave conservation and consequently motivation has been sincere and the group's views respected, though not always heeded. The system has worked well in Western Australia and there seems no reason to change it in the foreseeable future. Although the majority of Western Australian caves fall within National Parks where there is a good working relationship between users and managers, many highly significant caves and karst features do not - and it is here particularly where the group will continue to have its greatest impact on improved cave protection and conservation measures.

J R WATSON
CHAIRMAN
WORKING GROUP ON CAVE PROTECTION AND MANAGEMENT
(SOUTHERN REGIONAL SUPERINTENDENT OF NATIONAL PARKS,
ALBURY, WESTERN AUSTRALIA).

Bibliography

Environmental Protection Authority,
Western Australia, 1976. Conservation reserves for
Western Australia as recommended by the Environmental
Protection Authority, Systems 1, 2, 3, 5. (the second "Red Book").

Cave Working Group, Western Australia, 1977. Submission
to the Department of Conservation and Environment on cave
protection and management in South-western Australia.
Western Caves, (17(1), 9-13.

Watson, J.R., 1978. Caves in Western Australia,
Department of Conservation and Environment, Bulletin 51: 6 pp.

Watson, J.R., (Editor), 1978. Cave Tourism in Western
Australia, W.A. Department of Tourism, 28 pp. (Proceedings
of seminar, Busselton, W.A. November 1989).

FIFTH AUSTRALASIAN CONFERENCE ON CAVE TOURISM/MANAGEMENT

To : Arnold Clarke
Accounts Branch
Crown Lands & Survey Department
2 Treasury Place
Melbourne,
Victoria 3000.

The following persons are likely to attend the conference ; please
send further details :

Name	Address
.....

.....

..... Persons will need transport from Tullamarine airport on
Sunday 10th April and return on Friday 15th.

I/we are willing to present a paper as below :

Name (s)	Title (if you know it)
.....

.....

Published irregularly by the Commission on Cave Management & Tourism,
Australian Speleological Federation

Editor : Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053 AUSTRALIA.

FINAL ENROLMENT NOW DUE : FIFTH AUSTRALASIAN CONFERENCE
ON CAVE TOURISM & MANAGEMENT
LAKES ENTRANCE, VICTORIA
11-15TH APRIL 1983.

Thanks to all who responded to our preliminary notice and have notified their intention to be present. Final arrangements are now in hand. This newsletter will serve to bring you up to date with these and to seek your enrolment as soon as possible.

Please send the enrolment form immediately to Arnold Clarke at the Royal Botanic Gardens, Melbourne (note change of address - Arnold now has an office with the luxury of beautiful surroundings!). Payment with the form would be convenient, but can be paid later by mail or at the conference. Do not delay sending your form in while waiting for the cheque to be processed.

A bus will leave Tullamarine Airport at 12.30 p.m. on Sunday 10th April for those needing transport.

Conference venue is the Glenara Motel, Lakes Entrance. The program includes a visit to the Buchan Caves and to Nargun's Cave, an important bat cave situated in the Nowa Nowa State Forest.

Costs are : Bus from airport to Lakes Entrance	\$ <u>30.00</u>
Registration fee, includes outings, Conference dinner, folder, etc.	\$ <u>45.00</u>
Accommodation Bed & Breakfast (Glenara Motel)	\$ <u>90.00</u>

All cheques should be made payable to the Department of Crown Lands and Survey.

A tentative program is given overleaf. Not all speakers listed have been confirmed - and there will probably be others.

Perhaps the most pleasing thing is that we will have the pleasure of Jeanne & Russ Gurnee being with us. The Gurnees are already known to many Australians, and so are especially welcome as old friends. However, they have long experience

in cave development and an encyclopaedic knowledge of American show caves. In addition, Russ is currently chairman of the Commission on Show Caves of the International Union of Speleology.

TENTATIVE PROGRAM : Fifth Australasian Conference on Cave Tourism & Management

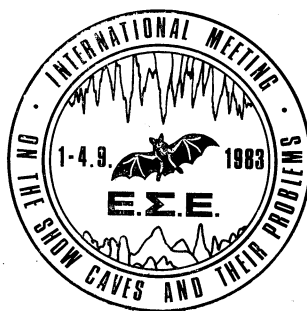
MONDAY	A.M.	Registration
	P.M.	A look at Victorian Caves & Karst
		1. Overview of Victorian Caves & Karst : Susan White (University of Melbourne)
		2. Issues in management of Buchan Caves (Dept. of Crown Lands & Survey)
		3. ?? National Parks Service of Victoria
		4. A method for assessing sites of scientific interest : Neville Rosengren (University of Melbourne)
		5. Issues in management of caves on private land : Ian Household (University of Melbourne)
TUESDAY	A.M.	Opening by the Hon. Rod Mackenzie, Minister for Lands and Minister for Forests.
		Keynote Address : John Dunkley, President, Australian Speleological Federation.
		Visit to Nargun's Cave
	P.M.	The Development of Rio Camuy Cave System : Jeanne & Russ Gurnee.
WEDNESDAY		Excursion to Buchan Caves Reserve
THURSDAY	A.M.	Other papers, including :
		Cave Management & Geological Conservation : R. Osborne (University of Sydney)
		Visitors at Tantanoola & Yarrangobilly : Spate, Collins & Matthews (National Parks & Wildlife Service, N.S.W.)
		Developments at Yallingup, Western Australia : Joy Smith & others (Busselton Tourist Bureau)
		Permits as a visitor control method : Elery Hamilton-Smith (Phillip Institute of Technology)
	P.M.	Business Meeting
		Conference Dinner.
FRIDAY		Return to Melbourne : Bus will reach Tullamarine at time to be arranged.

AND NOW THE WORLD :

We have recently received details of an International conference on the management of Show Caves. The following is a straight copy of the brochure. Application form available from Elery Hamilton-Smith.

INTERNATIONAL MEETING
ON THE SHOW CAVES AND THEIR PROBLEMS
ATHENS, SEPTEMBER 1-4, 1983

ΔΙΕΘΝΕΣ ΣΥΜΠΟΣΙΟ
ΓΙΑ ΤΑ ΠΡΟΒΛΗΜΑΤΑ ΤΩΝ ΔΙΕΥΘΕΤΗΜΕΝΩΝ ΣΠΗΛΑΙΩΝ
ΑΘΗΝΑ, 1-4 ΣΕΠΤΕΜΒΡΙΟΥ 1983



Under the auspices :

“UNION INTERNATIONALE DE SPELEOLOGIE „
MINISTRY OF CULTURE AND SCIENCES

Organized by :

HELLENIC SPELEOLOGICAL SOCIETY
11, Mantzarou st. Athens (135) — HELLAS

Υπό την αιγίδα :

ΔΙΕΘΝΟΥΣ ΕΝΩΣΕΩΣ ΣΠΗΛΑΙΟΛΟΓΙΑΣ
ΥΠΟΥΡΓΕΙΟΥ ΠΟΛΙΤΙΣΜΟΥ & ΕΠΙΣΤΗΜΩΝ

Όργάνωση :

ΕΛΛΗΝΙΚΗ ΣΠΗΛΑΙΟΛΟΓΙΚΗ ΕΤΑΙΡΕΙΑ
Μαντζάρου 11, Αθήνα (135) τηλ. 36 17 824

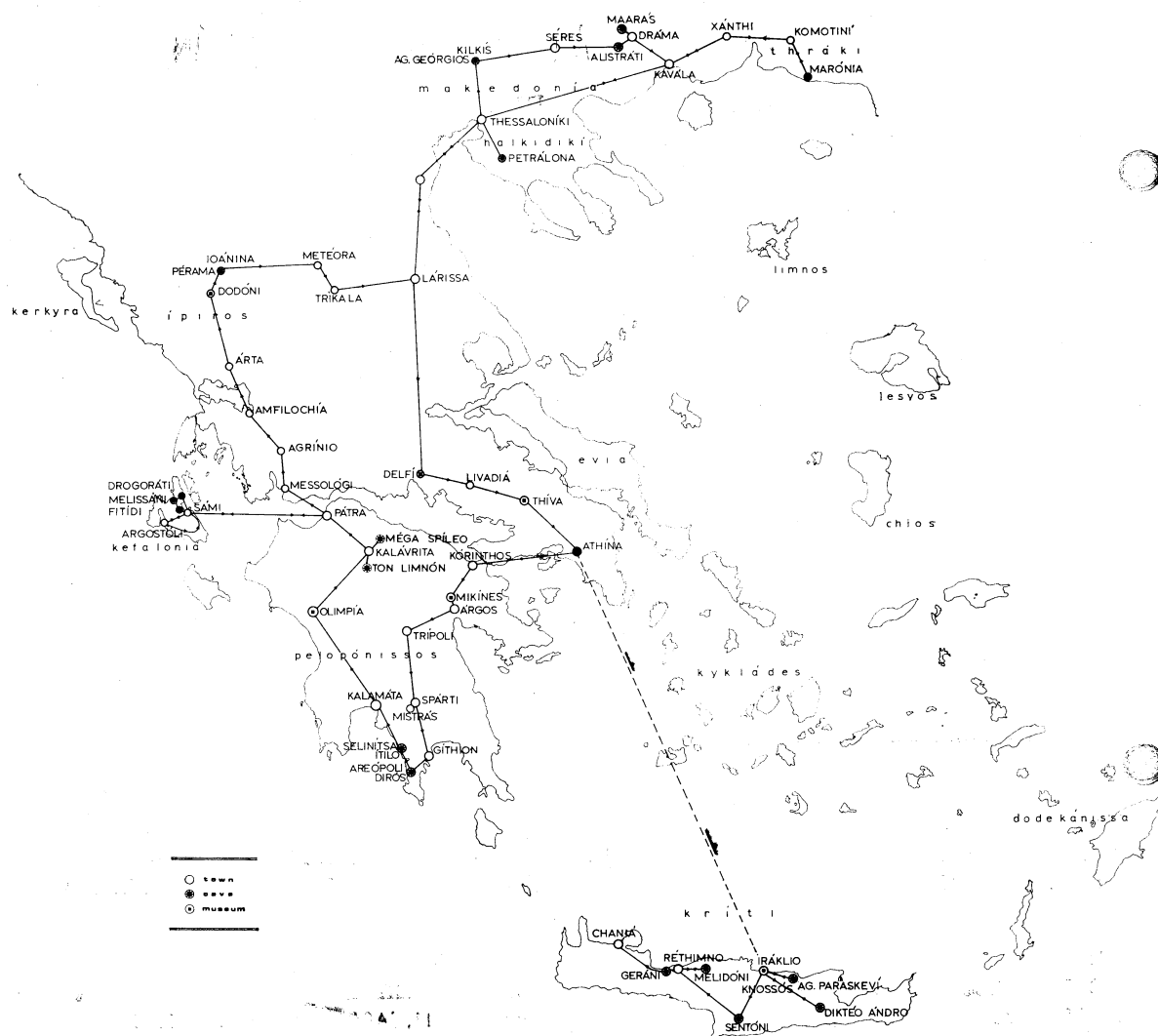
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πρώτη έγκύκλιος

INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS

ATHENS, SEPTEMBER 1-4, 1983

EXCURSIONS BEFORE AND AFTER THE MEETING



INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS

ATHENS, SEPTEMBER 1 — 4, 1983

The Hellenic Speleological Society invites you to participate in the Meeting to be held in Athens from September, 1st to 4th 1983, with a view to solving several problems which regularly arise in the Show Caves all over the world.

Your precious cooperation and the exchange of views with the specialised foreign colleagues both during the communications and on the spot will contribute to the prevention and resolution of problems arising in Show Caves as well as to the improvement of such an important matter in dispute.

Prior to the Meeting opening there will be a meeting of the Show Cave Committee of the U. I. S.

During the Meeting several manifestations will take place in Athens to the honour of the participants. Visits to the City and the Peania cave, receptions, films and slides projections, official dinner etc

Foreign colleagues desiring to project either films or slides of speleological interest are requested to inform the Secretariat on time

SUBJECTS :

- I. Arrangement of Show Caves.
- II. Protection of Show Caves from the point of view of :
 - a) Paleontology, b) Prehistory, c) Archaeology,
 - d) Geology, e) Biology, f) Ecology.

PRELIMINARY PROGRAMME

- 31.8.1983. Arrival and presentation of members at the offices of the Hellenic Speleological Society, 11, Mantzarou street from 15 h — 22 h.
- 1.9.1983. (09 h.) Assembly of the Committee on Show Caves of U. I. S.
(11 h.) Official opening of the Meeting.
(17 h.) Several manifestations.
- 2 - 4.9.1983. Communications.
- 4.9.1983. Meeting termination. Official dinner.

A'. EXCURSION TO THE ISLAND OF CRETE BEFORE THE MEETING

- 27.8.1983. In the afternoon by boat from Piraeus to Iraklio.
- 28.8.1983. Iraklio, Knossos, «Dictaeo Antro» Cave, «Agia Paraskevi» Cave, Iraklio.
- 29.8.1983. Iraklio Museum, «Sendoni» Cave, Rethimno.
- 30.8.1983. Rethimno, «Melithoni» Cave, «Gherani» Cave, Chania, and boat to Piraeus.
- 31.8.1983. (Morning) arrival at Piraeus, Athens..... \$ 175

B'. EXCURSIONS AFTER THE MEETING

1) PELOPONNESE :

- 5.9.1983. Corinthos (Museum, Antiquities), Mykines, Tripolis, Sparti, Mystras, Ghithio.
- 6.9.1983. Ghithio, «Diros» Caves, Areopolis, Itilo, Selinitza, Kalamata, Olympia.

- 7.9.1983. Olympia Museum and Antiquities, «Tonlimnon» Cave, Calavrita.
 8.9.1983. Monasteries of «Aghia Lavra» and «Mega Spileo», Patra..... \$ 203

2) PATRA, CEPHALLONIA ISLAND : (by boat)

- 8.9.1983. Patra, Sami, «Aghios Gerasimos» monastery, Argostoli.
 9.9.1983. Argostoli Catavothres (Sinkhole), «Drogorati» Cave, «Melissani» Cave, «Phitidhi» Cave, Caravomilos and Fridhi sources, Argostoli.
 10.9.1983. Argostoli, Sami and by boat to Patra..... \$ 103

3) IPIROS :

- 10.9.1983. Patra, Messolonghi, Agrinio, Amfilochia, Arta, Dodoni (Ancient Theatre), Museum of wax effigies, Ioannina.
 11.9.1983. «Perama» Cave, Meteora, Trikala, Thessaloniki, Kilkis.
 12.9.1983. «Aghios Georgios» Cave, Kilkis..... \$ 87

4) MACEDONIA — THRAKI :

- 12.9.1983. Kilkis, Serres, Alistrati, «Alistratis» Cave, Drama, «Maara» Cave, Kavala, Xanthi, Komotini.
 13.9.1983. Komotini, «Cyclops» Cave, Maronia, Komotini, Kavala, Thessaloniki.
 14.9.1983. Thessaloniki, «Kokines Petres» (Red Stones) Cave of Petralona, Chalcidice (Halkidiki) Thessaloniki, Museum \$ 87

5) TO ATHENS :

- 14.9.1983. Thessaloniki — Larissa.
 15.9.1983. Larissa, Delphi (Museum, Antiquities), Livadia, Thiva, Athens \$ 40
 Total \$ 520

Above amount includes transportation by boat and coach, hotels, restaurant, museum, antiquities etc.

Note: Members who will join all above tours after the Meeting will pay only \$ 480

ATHENS HOTELS

With private bathrooms or showers and breakfast:

1st Category single room	\$ 32.—	Double room	\$ 42.—
2nd » » »	\$ 26.—	» »	\$ 34.—
3rd » » »	\$ 19.—	» »	\$ 24.—

Above prices are based on present rates and participants will be duly informed on time of any eventual change according to cost of living adjustment.

COMMUNICATIONS

All communications to be written in one of the following languages: Greek, French, English and German with a summary in another language to be inserted in the beginning of the text.

They should not exceed 8 typewritten pages including sketches, black and white photos and summaries on a paper size of 21 × 28 cm.

The frame of the text to be 18 × 25 cm typed with an electric typewriter to be printed offset. Both photos and sketches will be placed on the typewritten text on the author's responsibility provided that the above dimensions are not exceeded.

Separate illustrations and sketches will not be accepted.

To the Secretariat must be submitted three full copies one of which (the original copy) with unnumbered pages.

DISPATCH OF COMMUNICATIONS

The communication summaries should not exceed 150 words and should be submitted to the Meeting Secretariat no later than November, 30th 1982, whereas the Communications can be submitted no later than March, 31st 1983 in order to be printed and distributed to the participating members prior to the opening of the Meeting.

SECRETARIAT ADDRESS:

**"INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS,,
HELLENIC SPELEOLOGICAL SOCIETY**

11, Mantzarou street, Athens (135), HELLAS (GREECE) Tel. (01) 36 17 824

REGISTRATION FEES:

1) Regular members \$ 80. 2) Accompanying members \$ 65 each.

The former have the right to submit communications and are entitled to one mapcase with all communications printed, programmes, maps etc. and to participate in all manifestations, whereas accompanying members can only participate in Athens manifestations.

PAYMENTS: All remittances to be addressed to:

**"INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS,,
HELLENIC SPELEOLOGICAL SOCIETY**

BARCLAYS INTERNATIONAL BANK

15, Voukourestiou st. Athens, 134 — Greece — **Account No. 6789.**

FINAL PROGRAMME:

A detailed programme will be given in our second circular to be sent to all applicants.

DATES OF INTEREST:

- 1) To submit application latest October 31st 1982.
- 2) To submit communication summaries latest November 30th 1983.
- 3) To submit communications latest March 31st 1983.
- 4) Registration rights will be reserved to all applicants who remit in advance 1/3 of the amount involved for hotels in Athens and excursions latest March 31st 1983.
- 5) All other financial obligations will be paid till May 31st 1983.

OLYMPIC
AIRWAYS

official carrier

INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS

HELLENIC SPELEOLOGICAL SOCIETY

11, Mantzarou st. Athens, 135 — GREECE

1.— REGISTRATION FORM

Surname First name

Address

Title - Profession :

I will be accompanied by (Full-name) 1.
2.

I have the intention to present the following communications in the language :

I should like to take part in the following manifestations of the Meeting :

PARTICIPATION ☐ EXCURSION TO CRETE ☐

EXCURSIONS AFTER THE MEETING : 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ persons ☐

LANGUAGES : I speak (underline) : { Greek, English, French, German
I understand (double line) :

Date Signature.....

----- X

INTERNATIONAL MEETING ON THE SHOW CAVES AND THEIR PROBLEMS

HELLENIC SPELEOLOGICAL SOCIETY

11, Mantzarou st. Athens, 135 — GREECE

2.— PAYMENTS:

I REMIT BY CHEQUE (BARCLAYS INTERNATIONAL BANK — Account No 6789.
15, Voukourestiou st. Athens, 134 — Greece)

ADVANCE: \$ PARTICIPATION \$ 80 ☐ ACCOMPANYING \$ 65 ☐ EACH

HOTELS-DATES	SINGLE ROOM	DOUBLE ROOM	REMAINING	27.8.	31.8.	1.9.	2.9.	3.9.	4.9.	15.9.
CATEGORY : A	\$	\$	\$
B	\$	\$	\$
C	\$	\$	\$

(Note with +)

EXCURSION TO CRETE \$ EXCURSIONS AFTER THE MEETING :

1. \$ | 2. \$ | 3. \$ | 4. \$ | 5. \$ | TOTAL \$

BALANCE DUE \$

DATE SIGNATURE

Published irregularly by the Commission on Cave Management and Tourism
Australian Speleological Federation.

Editor : Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053 AUSTRALIA.

ANNOUNCING : SIXTH AUSTRALASIAN CONFERENCE
ON CAVE TOURISM AND MANAGEMENT

WAITOMO CAVES HOTEL, N.Z.

9-14TH. SEPTEMBER, 1985.

At last, we are able to announce that the next Cave Management and Tourism Conference will be held in New Zealand, which emphasises still further the truly Australasian character of the Conference. Many Australians (and we are sure most New Zealanders) will have met David Williams on one or another of his visits to earlier conferences in Australia or on his home ground at Waitomo. On this occasion, he will host the Conference at Waitomo.

AUSTRALIAN DELEGATES :

You must book so as to arrive at Auckland airport on Sunday 8th September. You will be accommodated overnight at the Airport Travelodge and transferred by bus to the Waitomo Caves Hotel on the Monday morning. The Conference ends on Friday 14th. September, from whence you have the choice of returning home immediately or staying over for travel within N.Z.

The all-inclusive cost depends upon the number of delegates, but as a guide :

10-14 delegates	\$(Aus) 335 per person plus fares from Australia
15-19 delegates	\$(Aus) 323 per person plus fares from Australia

If you want a single rather than twin-share room, add \$(Aus) 121.

All subject of course to any changes in exchange rate or actual rates.

NEW ZEALAND DELEGATES :

The prices quoted below assume that you will provide for your own travel arrangements, and include the all-inclusive conference, accommodation and meals cost at the Waitomo Caves Hotel.

Full cost (6 nights) is \$(NZ) 246 44'
Single room supplement is \$(NZ) 195

All CONFERENCE BOOKINGS (and any associated travel) should be made with the offices of the Mt. Cook Line

In Melbourne - Mike Kearney Telephone (03) 62.2338
In Sydney - Diane Hugill
Mt Cook Line
115 Pitt St
Sydney Telephone (02) 232.8011
232.8400

In Auckland - Claire Prattley or Sue King
In Christchurch - D. Sparks

We invite all delegates to present a paper or other materials to the conference. Please think about sharing your experiences with everyone else and let us have details of what you can offer.

Details of papers etc. should be sent to :
Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053.

A further newsletter will be mailed out in late July or August next year, giving details of the programme as it stands at that time.

Any other enquiries
re the conference to : David Williams,
Waitomo Caves,
Telephone Te Kuiti 948.

Elery Hamilton-Smith will be in Europe and North America from January to July 1985. Any other enquiries re the Commission to

Nick White
123 Manningham St.
West Parkville
Vict 3052
Telephone (03) 328.4154

All changes of address or new addresses for this newsletter to Elery Hamilton-Smith, address above.

Published irregularly by the Commission on Cave Management and Tourism, Australian Speleological Federation.

Editor : Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053 AUSTRALIA

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SIXTH AUSTRALASIAN CONFERENCE

ON CAVE TOURISM & MANAGEMENT

WAITOMO, N.Z. 9-14 Sept. 1985

- * We anticipate the Conference will proceed as planned, in spite of some rumours to the contrary. However, bookings are still few.

We appreciate that some people may still be awaiting the result of an application for travel funds.

- * BUT, will Australians planning to attend please notify Elery Hamilton-Smith if they intend to be present - URGENTLY. Telephone (03) 489.7785 or (03) 468.2512.

- * Similarly, will New Zealanders please let David Williams know on (0813) 88.227.

- * We also apologise for an error in the last newsletter. The cost for N.Z. delegates was wrongly quoted. This should have read :

Full cost (6 nights) is \$(NZ) 195 per person accomodation
\$(NZ) 246 per person all meals
which means \$(NZ) 441 per person total

Single room supplement is \$(NZ) 195.

- * Remember to let David Williams know if you are planning to present a paper - and its title.
- * Again, all prices are subject to changes in actual rates or to shifts in exchange.
- * Changes of address or new addresses for this nrwsletter to Elery Hamilton-Smith, please.

As announced in the previous newsletter, Elery has been wandering the Northern Hemisphere, and will be able to discuss aspects of his many cave visits at the Conference. However, a few self-indulgent notes may be useful here.

Caves visited included :

MALTA - Xerri's Cave, Ninu's Cave, Ghar Hassan and a range of artificial constructions such as St. Paul's Grotto and the many Catacombs

Holland - The chalk mines of St. Pietersberg - which inter-relate with natural karst, are of great antiquity and encompass several hundred kilometers of tunnels

Britain - Wookey Hole

United States - Mammoth, Mammoth Onyx, Howe's, Penn's, Woodward's, Luray, Carlsbad, Lewis and Clark, Marengo, Wyandotte, Squire Boone's, Wind Cave, Mt. Rushmore Cave, Lehman.

Some highlights included :

- The way in which the Museum at Wookey interpreted the actual management of the cave.
- The quality of guide training at some U.S. caves
- The rehabilitation of Carlsbad Cavern, and the efforts to induce better behaviour by visitors
- The awareness of the damaging impacts of minor actions, e.g., wishing wells, bitumen in paths or insulation, etc.
- The importance of micro-climate management in maintaining the quality of the cave environment
- The diversity of materials used in paths and stairways
- Modern is not always good - one of the best displays of physical development (paths, lighting, etc.) which I saw was done during the 1930's by the Civilian Conservation Corps
- Then, of course, I also saw in some caves the absolutely worst examples of managerial vandalism I have encountered, and was subjected to the worst guiding I have ever experienced !

SEVENTH AUSTRALASIAN CAVE TOURISM AND MANAGEMENT CONFERENCE

NEW SOUTH WALES

MAY 10-17 1987

Two themes have been suggested for the next conference. These are:

Management of small tourist cave complexes
Management of intensely used wild cave areas.

The conference will be a mobile conference visiting all the tourist cave complexes in New South Wales over a week-long period. Transport will be by small buses and the number of participants will be limited to forty (40) only. We will only be making arrangements to transport, feed and house this number so early intentions of interest are essential. A programme and intention form are attached.

Transport.

Transport will be arranged on Sunday 10 May to Jenolan from both Canberra and Sydney if required. Similarly transport from Canberra to Jenolan and Sydney will be organised if needed at the close of the conference. During the conference transport will be by two twenty-seater buses; we do **not** want a long string of private vehicles accompanying the buses for a range of fairly obvious reasons. Participants may be asked to contribute to the fuel costs of the buses. Parking for private vehicles at Jenolan and Canberra will be made available.

Accommodation.

Costs are being kept low by arranging as much cheap cabin/dormitory as possible; motel style accommodation will be needed on three nights only. We may have to do some housekeeping ourselves (eg washing up). Costs are estimated at around \$300 for registration, accommodation, meals and travel. More details will be provided to those indicating their intention to attend on the attached form.

Joining along the way.

It will certainly be possible to participate in parts of the conference but it may not be possible for us to provide meals, transport and accommodation. Please check with us.

Paper sessions.

Time will be available for the presentation of papers mainly at Wombeyan but with other periods at Jenolan and Yarrangobilly. A few evening sessions/activities may be arranged. An abstract should reach us by 28 February 1987.

TENTATIVE PROGRAMME

Sunday 10 May 1987

1500 Bus 1 departs Sydney airport; accom. overnight Jenolan Cabins
BBQ dinner, evening informal (EHS show caves of the world?)

Monday 11 May

0900 cave inspection

1045 morning tea

1100 welcome from Resort Manager; official opening by General Manager, Tourism Commission. (then either theme address or further cave inspection)

1230 lunch

1400 depart for Wellington Caves (eta 1830; buses 1&2)
overnight Wellington Caves cabins, meal in Wellington

Tuesday 12 May

0800 cave inspection and discussions

1130 lunch

1200 depart for Abercrombie Caves (eta 1430), cave inspections (including redevelopment of Cathedral Cave)

1700 depart for Taralga (eta 1850); Happy Hour and Dinner;
overnight Wombeyan Dormitories,

Wednesday 13 May

0900 presented papers

1230 lunch

1330 cave inspections; marble quarry?

2000 evening session; overnight Wombeyan

Thursday 14 May

0830 presented papers

1230 lunch

1330 depart for Yass (eta 1630)

evening to be arranged or free; overnight Yass (motel)

Friday 15 May

0830 depart for Wee Jasper (eta 0930)

Careys Cave inspection

1200 lunch

1300 wild cave visits (Signature, Punchbowl, Dip)

1630 depart for Tumut (eta 1830)

2000 Conference Dinner; overnight Tumut (motel)

Saturday 16 May

0800 depart for Yarrangobilly Caves (eta 0900)
cave inspections

1230 lunch

1330 Conference business and closure

1530 depart for Canberra

evening activities (Canberra Speleological Society)

overnight Canberra (Defence Forces Academy)

Sunday 17 May

0830 bus 1 departs for Sydney airport (ETA 1330), bus 2 departs for
Jenolan (ETA 1230)

SEVENTH AUSTRALASIAN CAVE TOURISM AND MANAGEMENT CONFERENCE

10-17 MAY 1987

NOTICE OF PRELIMINARY INTENTION TO ATTEND

Name.....

Affiliation.....

Address.....

.....

.....

.....

Telephone number.....work.....home

Where would you intend arriving? Jenolan/Sydney/Canberra

Will you be presenting a paper? Yes/no/maybe

Subject or title?

.....

.....

Please supply an abstract of your paper by 28 February 1987.

What audio visual needs?.....

.....

Any special dietary requirements?.....

.....

Please return to:

A.P.SPATE
INVESTIGATIONS OFFICER, KARST
NATIONAL PARKS AND WILDLIFE SERVICE
P.O. BOX 733
QUEANBEYAN
NSW 2620
AUSTRALIA.

(File A/256)

Published irregularly by the Commission on Cave Management and
Tourism, Australian Speleological Federation

Editor : Elery Hamilton-Smith
P.O. Box 36
Carlton South
Victoria 3053 AUSTRALIA

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INSIDE : Details of the Seventh Australasian Conference on Cave
Tourism and Management,
New South Wales, 10-17 May, 1987.

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We have also just received notice that the 1986 Annual Convention
of the National Caves Association (U.S.A.) is to be held on 6-9
October, at Hannibal, Missouri. As well as the formal business of
the Convention, visits are scheduled to Mark Twain Cave, Cameron
Cave and Meramec Caverns.

The Secretary-Treasurer of the Association is Barbara Munson,
Route 9, Box 106, McMinnville, Tennessee 37110
Telephone 615.668.3925.

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One of the important items to be discussed at our own next
conference is the way in which the conferences should be
sponsored and backed. At the second conference, back in 1977 in
Tasmania, the question was discussed, and it was decided that the
Australian Speleological Federation should be asked to establish
a Commission on Cave Management and Tourism, which would serve to
sponsor the conferences and to carry out any other functions in
support of better cave management which we might be invited to
do.

This has worked reasonably well so far. Sometimes it seems to
cause some bureuacratc confusion, as at least some
administrators find it hard to accept that the Federation, in
effect, relates to them wearing two quite different hats ! More
importantly, however, the Commission and its activities are no
longer purely Australian. New Zealand has been playing a steadily
increasing part in the work of the Commission, and so at the last
conference, held in Waitomo, New Zealand, it was decided that we
should look again at our organizational arrangements. So, a brief
outline of the issues is given here as a basis for discussion
next year. If you are not coming to the Conference, feel free to
write and express your ideas.

DISCUSSION PAPER : FUTURE ORGANIZATIONAL ARRANGEMENTS

1. The convening of Cave Tourism and Management Conferences, and any continuing work between conferences (e.g., provision of advice or specialised planning and research services to land management agencies) has been undertaken by a Commission of the Australian Speleological Federation.

2. The advantages of this are :

- a link is maintained with speleologists
- organizational simplicity

The disadvantages are :

- It is probably inappropriate for an Australian organization to sponsor an operation which spans both Australia and New Zealand
- Probably the time has come when cave managers should be able to speak up on their own behalf through a national-level organization
- The Commission (or whatever takes its place) may well be seen in a more positive light if its role is clearly differentiated from speleology

3. From these comments, perhaps we should aim at maintaining the benefits in close liaison with speleologists and in simplicity of organization, yet at the same time establishing a separate body.

4. Probably the minimum machinery needed is a President and an executive officer, together with (as at present) a conference working party. Beyond that minimum, perhaps a couple of other committee members (or Vice-Presidents) would help to build the credibility of the organization across its geographic area. Then there would need to be some sort of organizational document (probably a constitution under one or another of the Associations Incorporation Acts) providing for membership and the government of the organization, and a bank account with provision for its operation.

5. So, as a suggestion -

- a. each conference to elect a President, two Vice-Presidents, one each from Australia and New Zealand, an Executive Officer, and one other committee member, who would be Convenor of the next Conference working party
- b. membership open to any individual or organization interested in cave tourism and management (any organizational member to appoint an individual to exercise a vote on their behalf at meetings) and paying the annual subscription

6. As at present, each conference should aim at being a self-contained operation financially ; the subscription (and any other monies) would probably serve to pay for administration and communication expenses only. However, if the organization is to maintain the research-planning role which the Commission has carried out, this not only demands a reserve fund for lead-up expenses and cash-flow purposes in this, but may at the same time make some contribution to the overall funds of the organization.

7. At present, there is a reasonable fund in hand in the account of the Commission, amounting to a little over \$1,000. This has been accumulated from a small margin on various of the planning assignments carried out by the Commission and the sale of Conference proceedings (together with some niggardly behaviour on the convenor's part !). If a new organization is established, the Federation would probably be willing to make at least part of this available as a starting base. This would be up to the officers of the new organization to negotiate.

8. It seems customary when any new organization is established to spend hours debating the minutiae of a constitution ; hopefully we can avoid this, and the executive officer empowered to draw up an appropriate constitution in conformity with the requirements of a relevant Associations Incorporation Act.

9. Of course, any organization needs a name - for starters what about Australasian Cave Management Association (or in the usual way, ACMA) ?

10. To summarise this, the kind of decisions which would be made are :

To form an organization of those persons and organizations interested in cave management

If this is agreed, then :

The name of the organization shall be . . .

The committee shall consist of President,
2 Vice-presidents, Executive Officer, and the
Convenor of the next conference . . .

The Executive officer shall draw up a constitution
in keeping with the requirements of an appropriate
Associations Incorporation Act

The Executive Officer shall open a bank account, the
signatories to be . . .

The Subscription shall be on a calendar year basis and
shall be \$. . . per two years

Election of first committee