

Dear Member,

A notable quarter is now closed. It has been a quarter notable for its busy business meetings and slowness in the field: the field day being the only well attended outdoor show. Of the three trips, 1 was cancelled, 1 had 4 members, and 1 had 5 members present.

MEETINGS:- The Museum meetings have been maintained at their usual high standard, and featured Messrs. P. Stewart, A.L.Hill and R. Sexton.

The general meetings have been busier than usual, and fairly well attended.

TRIPS:- The Field Day was an outstanding success, and much useful knowledge was gained by those who did attend.

The MT. BURR - RENDELSHAM trip was cancelled due to lack of transport.

The MT. REMARKABLE-ORROROO trip with only 5 members looked at both of the caves at Mt. Remarkable and also investigated a new one at Orroroo.

The Curramulka trip spent its time in the Town Cave, and some interesting bone material was found by the team of 4 present.

DRIVING SCHOOL:- The Club will be visiting the Advanced Driving Wing S.A.P. on Tues. 6th. Oct. Meeting at 7P.M. KINTORE. AVE. PLEASE BE EARLY.

ANNUAL DINNER:- This will be held at Rigonis as usual. Make your booking as soon as possible with P.Love. The date : Friday 18th Dec.

XMAS REUNION:- This trip will be to TANTANOOOLA Area, 28-29 Nov., linking up with V.C.E.S.

CONGRATULATIONS to Mr. and Mrs. A. JACKSON on their recent wedding, hoping this means we gain a member, not lose one.

ABSENT FRIENDS:- KEN and JUNE are still doing well and have another Rover. Ken will soon be taking over as Works Manager of his old firm at Durham and June is studying TIME & MOTION STUDY (Look out Ken!)

DAVID TAYLOR recently in Adelaide is sporting more hair on his face than on his head. Congratulations on a fine beard and moustache David.

DOUG SETON is planning to drive a bulldozer over Kelly Hill cutting 'Nature Trails'. What price a new entrance?

NULLARBOR TRIP:- The first meeting has been concluded and organization is under way. Application forms and a news sheet have gone to all those who made preliminary application. Further application forms can be obtained from the Hon. Sec. The trip will be held during the first 2 weeks of JANUARY. The cost: approx. £25. The first 20 applications will be the lucky ones !

XMAS CARDS:- Xmas Cards complete with badge and photograph will be available for purchase from the club at a nominal cost. ORDERS to the Secretary by October General Meeting.

NEW MEMBERS:- Congratulations to Misses M. MASON, C. DOLAN, and Mr. P. STEWART, accepted as MEMBERS.

Congratulations to Messrs I. HOGBEN and I. EBERHARD, accepted as ASSOCIATES.

CONSTITUTION:- A copy of the amended proposed Constitution, to be put to the vote at the next G.M. is enclosed.

Yours sincerely,
N.J.Mollet, HON. SEC.

THOUGHTS ON THE PROGRAMME FOR JULY TO SEPTEMBER 1959.

(AS RUDYARD KIPLING WOULD HAVE WRITTEN.)

An extraordinary General Meeting
Is something you'll adore,
For to amend amendments
You must have 'gags' galore.
When the chair brings down his gavel
For silence in the room,
The secretary surveys the scene
With a face impending doom.
They all want their piece
In language pseudo-legal;
A gentleman appears asleep
But he'll pounce like a hungry eagle.
You'll discuss meeting procedure;
That's all jolly fine!
But what of the chap who's climbing
At the other end of the line,
Who's in the game
For the thrill of the game,
And when the votes are counted, he knows
that the caves will remain the same.
For you can't gag a siphon,
Or amend a helictite,
Or rule out of order a bat
Without two sources of light.
But you could draw up those maps;
You could mend that gear
That you've dragged through the mud
For many a torrid year.
Are you wasting time?
A-hissing like angry adders
For an afternoon better spent
A-building flexible ladders.
But you hold hard the farthings
So for gear you scrounge and beg,
And you've hardly enough nylon
To cover a lady's leg!
When Orpheus entered the Underworld
In search of Persephone,
Did he first propose a motion?
No! That you can't tell me!

ANONYMOUS

P.S. Dear Reader.

Please pronounce PERSEPHONE so that the final E rhymes with the E of ME. If you don't you'll ruin the rhythm and the satire.

CAVE EXPLORATION GROUP, S.A.
PROGRAMME: OCT. - DEC., 1959.

Tuesday 6th Oct.	7.30 p.m. Visit to Advanced Driving Wing, Police Barracks, Thebarton. Meet Kintore avenue 7 p.m.
9th - 12th Oct. (Labour Day Weekend)	Northern Flinders. Leave Friday Night. Leader: V.A. Linke. Phone: ML4839
Tuesday 13th Oct.	8 p.m. Museum Lecture Room. Max Glenn: History of Kelly Hill. (Provisional).
Wednesday 21st Oct.	Committee Meeting.
Wednesday 28th Oct.	8 p.m. National Fitness Rooms.
30th - 1st Nov.	Naracoorte. Leave Friday Night. Leader: P. Love. Phone: LF3871.
Tuesday 10th Nov.	8 p.m. Museum Lecture Room. Film Night: Padirac, Spelunking, etc.
Wednesday 25th Nov.	8 p.m. National Fitness Rooms.
27th - 29th Nov.	Mt. Burr and Rendlesham. Leave Friday Night Leader: P. Love. Phone LF3871. VCES will also be caving in this area during the weekend.
Tuesday 8th Dec.	8 p.m. Museum Lecture Room. Capt. J.M. Thomson: Discovery of the Nullarbor. (Provisional
Wednesday 16th Dec.	Committee Meeting.
Friday 18th Dec.	Caveman's Dinner. Contact P. Love.
Saturday 26th Dec.	Nullarbor Expedition leaves. Applications are now due.

CONTACT LIST

President:	Mr. A.L. Hill.	Phone (work): W2541.
Secretary:	Mr. N.J. Mollet.	Phone (home): ML6076.
Search and Rescue:	Mr. A. Mead.	

All correspondence to be addressed to:
Hon. Secretary,
Cave Exploration Group,
South Australian Museum,
North Terrace,
Adelaide, S.A.

CAVE EXPLORATION GROUP (SOUTH AUSTRALIA)
PROPOSED CONSTITUTION as at 23/9/59.

1. NAME:

- (a) The name of the Group shall be "Cave Exploration Group (South Australian)".
- (b) The abbreviation shall be C.E.G.S.A.

2. OBJECTS:

- (a) To foster caving, speleology and the preservation of natural caves, with particular reference to South Australia.
- (b) To explore, survey and study South Australian caves.
- (c) To place on record the results of such investigations and to offer them for publication in relevant scientific journals and magazines.
- (d) To cooperate with other bodies in the furtherance of these aims.

3. MEMBERSHIP: There shall be the following classes of members

- (a) **Full Members** (to be henceforth known as Members) shall be those persons who subscribe to this constitution and
 - (i) who are over 18 years of age and complete 50 hours as a member of an active caving party in not less than three months of Associate Membership. Or
 - (ii) Full Members of any other Speleological society, or
 - (iii) whose qualifications are approved by a General Meeting.All applicants must be proposed and seconded by financial Members and elected by secret ballot at a meeting of the Committee.
- (b) **Associate Members** (to be henceforth known as Associates) shall be those persons
 - (i) who are over 16 years of age and who subscribe to the ideals of the Group and who do not qualify for Full Membership.Associates shall have full privileges of Membership except that they shall not hold office or vote.
- (c) **Honorary Life Members**
 - (i) Upon the recommendation of the Committee in recognition of special services to the Group, Members may be elected Honorary Life Members by a General Meeting and shall enjoy all privileges of Membership.

4. COMMITTEE:

- (a) Shall consist of President, Vice-President, Secretary, five Committee members and one Museum representative appointed by the Director of the South Australian Museum and who shall be an ex-officio Member.
- (b) At the first meeting of the Committee, it shall appoint from its members the office bearers, Treasurer, Quartermaster, Records Officer, Membership Officer and Publications Officer.
- (c) The Committee shall conduct and manage the affairs of the Group subject to this Constitution.
- (d) The Committee shall have power to form sub-committees and to coopt, but coopted persons shall not have power to vote nor to form part of a quorum.
- (e) The Secretary shall prepare a summary of the Committee's work for report to the next General Meeting

5. OFFICE BEARERS.

- (a) The Honorary Office Bearers of the Group shall be
 - (i) President
 - (ii) Vice-President
 - (iii) Secretary
 - (iv) Treasurer
 - (v) Quartermaster
 - (vi) Records Officer
 - (vii) Membership Officer
 - (viii) Publications Officer

- (b) The President, Vice-President, Secretary and five Committee members shall be elected at the Annual General Meeting and shall hold office from the A.G.M. at which their election is announced until the A.G.M. of the following year, or until their successors are appointed.
- (c) The nominees for election and their respective proposers and seconders shall be financial members; the nominees consent shall be obtained and nominations should close before the commencement of the A.G.M.
- (d) In the event of an Office Bearer vacating his position, a By-Election, of which notice has been given as for an Extra-Ordinary General Meeting, shall be held at the next General Meeting and the elected Office Bearer shall hold office until the next A.G.M. or until his successor be appointed. The conditions of nominees and nominations shall apply as at an A.G.M.
- (e) Duties of Office Bearers
 - (i) The President shall act as Chairman at meetings of the Committee, Annual General Meetings, Ordinary and Extra-Ordinary General Meetings and shall have power to convene Committee Meetings.
 - (ii) The Vice-President shall assist the President and in the President's absence shall carry out the President's duties.
 - (iii) The Secretary shall keep minutes of all meetings and handle the correspondence of the Group, draw up agendas, compile and present a report to the A.G.M. and shall coordinate the internal affairs of the Group.
 - (iv) The Treasurer shall be responsible for the monies of the Group and shall submit an audited Annual Statement and Balance Sheet at the A.G.M. and a Statement and Balance Sheet for a given period when called for.
 - (v) The Quartermaster shall have custody of and maintain the caving equipment of the Group and shall keep an inventory to be audited and submitted to the A.G.M. and when otherwise called for.
 - (vi) The Records Officer shall keep a file and card system of South Australian cave occurrences, maintain the library acquisitions, the maps and speleological records of the Group.
 - (vii) The Membership Officer shall maintain the record of all membership of the Group and shall maintain a current list of addresses of all persons and organisations associated with South Australian speleology.
 - (viii) The Publications Officer shall prepare, in collaboration with appropriate officers, a news-sheet and a programme of meetings, trips and social events, to be submitted to the Committee for approval before issue every three months. He shall also be responsible for the preparation and/or publication of all other material as directed by, and at the approval of, the Committee.

6. MEETINGS:

- (a) Standard procedure shall be adopted at all meetings.
- (b) A General Meeting (G.M.) shall be held each month for the transaction of general business. Fourteen days notice, in writing, of the holding of any G.M. shall be given to each member, specifying the date, place and time of commencement of the meeting.
- (c) An Extra-Ordinary General Meeting (E.G.M.) shall be called at the discretion of the Committee or upon the written and signed request of any five financial Members. Notice shall be given as for a G.M. and shall include the nature of the business to be transacted.
- (d) The Annual General Meeting (A.G.M.) shall be held during February each year for the presentation of the Annual Report and for the election of the Committee. Notice shall be as for an E.G.M.

- (e) A Committee Meeting shall be held prior to each G.M. and A.G.M. and at such times and places as the Committee or the President may determine. Fourteen days notice shall be given to all Members of Committee. If all Members of the Committee, by any communication, signify their consent, a Committee Meeting may be held at shorter notice.
- (f) Quorum
 - (i) A quorum for G.M.'s, E.G.M.'s and A.G.M.'s shall consist of 30% of the number of financial Members permanently residing within 50 miles of Adelaide.
 - (ii) A quorum for Committee Meetings shall be five.
 - (iii) No unfinancial Member shall form part of a quorum.

7. VOTING:

- (a) No Member shall be entitled to vote unless financial.
- (b) Members may vote by proxy. The vote shall be in writing, signed and in a sealed envelope.

8. FEES:

- (a) Annual subscriptions, equipment fees and other charges shall be at rates recommended by the Committee and approved (b) a General Meeting.
- (b) No person shall be admitted as an Associate or Member until the prescribed fees are paid.
- (c) Annual subscriptions shall become due on the first day of March.
- (d) An Associate or Member whose Annual subscription remains unpaid after the expiration of two months from the date due, shall cease to be such a member except in special circumstances, at the discretion of the Committee.
- (e) A member shall be deemed financial upon payment of all monies due on the first day of March each year.

9. FINANCE.

- (a) The financial year shall begin on the first day of March each year.
- (b) All monies received by the Group shall be paid into a cheque account at a Bank recommended by the Committee, except for a maximum total of £5 which may be held by the Treasurer for payment of small amounts.
- (c) Payment of all amounts over £2 shall be by cheque, to be signed by any two of the following,
 - (i) President
 - (ii) Secretary
 - (iii) Treasurer
- (d) The Committee shall not have power to expend more than £5 of the Group's monies per month, nor more than £2 on any one item without the prior permission of a G.M.
- (e) An Auditor shall be appointed each year by the Committee to audit the financial records, statements and balance sheets of the Group.

10. RULES:

- (a) Rules for the orderly working of the Group may only be proposed at a G.M.
- (b) Detailed notice of motion shall be sent to all members not less than three weeks prior to such meeting.

11. ALTERATION OF CONSTITUTION:

- (a) The constitution may only be changed at a G.M.
- (b) Detailed notice of motion shall be sent to all members not less than three weeks prior to such meeting.
- (c) The motion shall require a 75% majority of those Members present to be carried.

12. DISCIPLINE:

- (a) Should any Member or Associate of the Group violate this Constitution or the Rules of the Group, or for any cause be deemed an undesirable member, he may be expelled, suspended, requested to resign or cautioned, by a 75% majority decision of the members present at a meeting of the Committee called for that purpose.
- (b) Any Member or Associate so disciplined shall have a right of appeal to the next G.M. of the Group.

13. SPECIMENS:

- (a) All speleological specimens collected by members, and visitors on official trips shall immediately become the property of the South Australian Museum. Such specimens may be retained temporarily for research purposes within the Group.

14. DISBANDMENT:

- (a) The existence of the Group shall end if
 - (i) a motion is carried to that effect.
 - (ii) membership falls below three Members.
 - (iii) twelve months elapse without a meeting.
- (b) A motion for disbandment shall be submitted and dealt with in the same manner as a motion for the amendment of the Constitution, except that the motion must be carried by 90% of those Members present.
- (c) Upon disbandment, Archives and any other property belonging to the Group shall become the property of the South Australian Museum.

45 Tusmore Avenue,
Leabrook, S.A.

September 1959.

During the A.S.F. Conference in Hobart, the writer was appointed to investigate survey methods and standards and to submit a report on these to the 1960 conference.

The attached sheets of survey standards are of a preliminary nature only, and it is hoped that they will provide a basis for discussion. The writer will welcome any comments and additions that you have to make in the light of experiences in other areas. Contact has been made with a number of interested persons in the past, and these notes are being sent to them as well as all societies, and I will be delighted to hear from anyone else interested. If each society were able to appoint a "surveyor general" to report on the methods used by their society in its cave surveying, giving the instruments used, the plotting methods, and any particular problems encountered, this will be of very considerable value and interest. When all suggestions have been received, they will be compiled into a final report.

The methods employed in the field, and the grade of map produced will depend on the type of cave, the instruments used, and such personal factors as the ability of the surveyor, and the time available. Surveying is as much an art as a science, and the only way of finding out the most effective methods to be used is through practical experience. The work of others may be of help at times, and many valuable suggestions and ideas may be found in the published material available. However, much the actual survey techniques vary, the aim in each case will be to produce a map. It is only through this map that the information obtained can be transmitted to others. To be able to record this data in a form that will be readily intelligible to all cavers, and to facilitate the comparison of maps from different areas, it is felt that some, standardisation is necessary. The recommendations on the attached sheets are aimed at encouraging some uniformity without unduly restricting the individuality of the surveyor.

Wishing you the best of luck in finding warmer and drier caves in which to practice your cave surveying, and hoping to hear from you in the near future,

Yours Sincerely

Robert T. Sexton

A.S.F. MAPPING SUBCOMMITTEE

SUGGESTED CAVE SURVEY STANDARDS

EXPLANATORY NOTES

Cave surveying does not lend itself to standardization. Working conditions, and the caves themselves, vary so much that there can be no fixed rules. The instruments available and the drafting style of the surveyor will also have a bearing on the final map produced. However, there is a certain amount of information which should appear on all maps to explain the drawing. There are several other features, notably scales, grading and symbols, which if standardized, would lead to a more satisfactory comparison of cave surveys carried out throughout Australia.

The simplest maps will be little more than route maps, with notes appended to complete the description, providing a basis for future work. The production of higher grades should aim at giving a complete picture of the cave for anyone wishing to study it, and an accurate basis for later specialized research. To achieve this, the plan should be accompanied by longitudinal and cross sections which form an essential part of the map.

No attempt has been made to outline geological symbols, or such specialised branches of cave survey as archaeological plans, or illustrations for publication purposes.

1. SCALE

Both written and drawn scales, and the representative fraction (R.F.) should be shown. If the drawing is to be reduced for any purpose, the drawn scale only need be shown, as the others lose their meaning.

It is recommended that the following scales be adhered to:

- (a) 20 feet to 1 inch (1:240) for all general survey work.
- (b) 50 feet to 1 inch (1:600) for large caverns with no details that cannot be satisfactorily represented at this scale; or where the grade of survey does not warrant a larger scale.
- (c) 100 feet to 1 inch (1:1200) for location plans, or general area maps where the outline of a cave is needed without much detail for correlation with surface features or other caves.

2. SURVEY GRADING

Where applicable, a survey grading should be shown as an immediate indication of the accuracy that can be expected of the map. In addition, the instruments used and any other relevant data may be noted. The Cave Research Group of Great Britain (C.R.G.) system of grading given below is recommended.

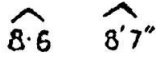
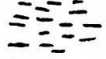
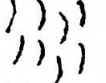
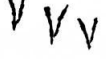
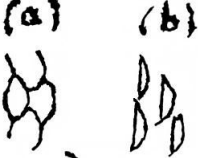
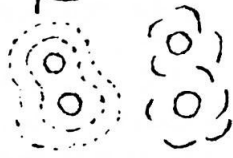
- Grade 1. Rough diagram from memory, not to scale.
- Grade 2. Sketch plan, roughly to scale; no instruments used; directions and distances estimated.
- Grade 3. Rough plan survey; small pocket compass graduated to ten degrees; lengths by marked cord or stick of known length.
- Grade 4. Prismatic compass graduated in single degrees (compass error not known); Measuring tape or marked cord.
- Grade 5. Calibrated prismatic compass, clinometer; metallic or steel tape; bearings to the nearest degree.
- Grade 6. Calibrated prismatic compass and clinometer on tripods, or miners dial; chain or steel tape.
- Grade 7. Theodolite for bearings and slopes; distances by steel tape or chain or by tacheometry; or by any other more accurate method.

3. SHEET SIZES

The scale determines the size of a drawing, but if this is standardized, the sheet is usually trimmed to suit. Where possible, preference should be given to the following overall sizes:- 54"x38", 38"x27", 27"x19", 19"x13½", 13½"x9½".

4. SYMBOLS

The symbols will vary widely to suit the requirements of the cave and the purpose of the map. The following list shows the most common and best established of these, which should not be changed unless absolutely necessary. Clarity of meaning is of prime importance, and under certain circumstances, it may be necessary to add to, or modify these basic symbols. The variation should be recorded on the legend. The actual outline of a feature should be shown in preference to a meaningless symbol.

Height floor to roof		Rocks on the floor	
Depth of water		Rounded pebbles or stones	
Conjectural outline		Sand	
Vertical cavity upwards		Earth or clay	
Vertical cavity downwards		Flowstone floor	
One passage superimposed on another (lower one dotted)		Roots in situ	
Vertical change in floor level		Guano	
Running water		Vegetable debris	
Pools and lakes		Terraced flowstone	
Water without air surface in (a) streams & (b) pools		(a) without water & (b) with water	
Limit of daylight		Stalactite	
Current marking		Stalagmites with Flowstone surround	
		Calcite columns joining floor to roof	

Symbols for small scale surface maps should be in accordance with the "Standard Topographic Map Symbols" of the National Mapping Council of Australia, February 1953.

5. INFORMATION TO BE RECORDED ON THE FINISHED MAP

The following points should be noted on the drawing to give all the data necessary for its satisfactory interpretation.

- (1) The names of the surveyors and the draftsman.
- (2) The date of the survey.
- (3) A north point. Both true and magnetic north should be shown. If one or the other is not available, the arrow should be labelled accordingly.
- (4) The datum for levels and grid. It should be stated whether these tie onto an existing grid, or if chosen arbitrarily.
- (5) The latitude and longitude, if accurately determined, or the National grid reference.
- (6) The cave number, if such a system is operating.
- (7) A legend showing all symbols used.