



NEWSLETTER

Cave Exploration Group

South Australia

C/O SOUTH AUSTRALIAN MUSEUM NORTH TERRACE ADELAIDE

[#47]

MAY 1967

EDITORIAL

Now that we have the map printing machine in operation it is a good opportunity to get some long overdue mapping projects under way. There are enough unmapped caves on our records to keep us going for the next ten plus years, so get to work on YOUR project.

Speaking of records, we have now been allocated cupboard space in the Museum Lecture Room for our Library and records. Upon looking through the records over the past couple of years it becomes very obvious that a large number of trip reports have not been forwarded to the records keeper. Without these trip reports any party visiting a caving area have no idea of what activity has been carried out in the caves unless there is someone in the party who has been on previous trips to the area. This lack of information in the records means that a plan of work for the trip cannot be compiled prior to the trip and also that much work that has been done previously is duplicated in later expeditions.

Please make the record keepers job easier to keep tabs on work progress in each area, and the future trip leaders planning much easier by getting a trip report of YOUR TRIP typed in triplicate to the record keeper as soon as possible after the trip.

A.R.J. (ED)

TRIP REPORTS

Narrina Lake Cave

Location - Flinders Ranges F11. Visited -January 28th - 30th (long weekend).

The cave is situated about sixteen miles north east of Blinman. The entrance, situated approx. 100 yards from the road consists of a fifteen feet deep by six feet diameter shaft. From this a passage three feet high and twenty foot long leads into a seventy feet diameter chamber with two lakes, one shallow one deep.

The shallow lake can be walked through on a soft calcite floor to the other side and is about six feet deep. (We will be visiting it every year and distributing flowers on the surface ED.) The second lake is 25 feet deep at the start and at least 60 feet deep further on. Both lakes are joined underwater. At the end of the second lake there is a hole in the ceiling through which is a smaller chamber with yet another lake. This lake is 'X' feet deep and is joined under water to the other two lakes. This chamber seems to be a very large one of which three quarters is below the water table.

The cave contains decoration, columns, cave pearls and the surface of the water is covered with a thin layer of calcite flakes.

Peter Hawkes

Kangaroo Island

Visited - Easter long weekend.

As per usual custom the diehards travelled by Troubridge and the also's by air to save time so we are told. With much slaving all were loaded and emptied out on location halfway between Vivonne Bay and Karatta.

Further survey work was done in the main Emu Cave. Gartrell's dig was the hard work project and entry was gained late Saturday night. Squeezes long and tight and flatteners were encountered opening out into a low chamber with some long pencil straws.

Evidence of water on the cave floor was noticed and on the other side, dune sand had blown in from a low flattener. To the left a very large dome collapse was encountered and while it was possible to climb over and down the other side no further extension was found.

The remainder of the weekend was spent in tours to Seal Bay, Daws Diggings, Seaton's sink holes, Mt. Taylor Caverns and Emu Bay trilobites. A very satisfactory trip for caver and tourist in spite of rearranged sailings allowing an extra day for sailing home. We will soon be publishing a map of the complete Emu Caves Group.

Fred Sanders

MEMBERSHIP

The following members were accepted to the Group at a recent meeting.

Full members

Rick Hutchens
Peter Robertson
Bart Dasborough

Associate members

Edna Hocknell
Laurance Chattaway
Diana Ward
Alan Stevens
Cynthia Clarke

We extend a warm welcome to these new members and wish them every success in finding "bigger and better holes".

ALTERATION TO PROGRAMME

The Curramulka trip proposed for weekend 13th - 14th May is postponed to 3rd - 4th June. See P. Hawkes for details.

ENGAGEMENTS ETC.

The committee and members extend their heartiest congratulations to Leslye Mackay and Grant Gartrell on the announcement of their engagement on the 1st May. Best of luck for the future Leslye and Grant.

WANTED URGENTLY

Old tracings for new maps - old tracings for new maps.

If anyone has tracings of cave maps in their possession would they please forward them to Alan Hill as soon as possible so that copies can be run off. Tracings in both linen and paper can be used effectively on the new map printing machine. Please look through your cupboards and drawers or anywhere else you might keep them and if you find any PLEASE send them in for printing.

WINTER CAVING SEASON - NARACOOORTE

This commenced on the weekend of 6th and 7th May with a photographic run in the bigger caves. As we have ample opportunity still to get out a publication on this area by the end of the year, there will be frequent trips there from now on with work in mind either mapping for the time being or repairs on the Hut. The collar on the Sand Cave is not yet complete. We are looking for working starters to explore and map the Cave Park Cave in about four weeks time. This has never been worked out and contains a large bat colony in a catacomb system - enquiries to Hill or Hawkes.

A.L. Hill.

FLOGGING SECTION

MAPS - MAPS - MAPS - MAPS - MAPS

With the completion of our new die-line printing machine C.E.G.S.A. is now in a position to sell maps of caves for which we have tracings. Maps are available in various sizes, the largest of which is 48" x 30" and range in price from 30c to 75c each. This is the chance everyone has been waiting for so get your order in early to Alan Hill to avoid a large waiting time. Don't forget the low price, 30c to 75c each.

MAG. POWDER - MAG. POWDER. -.MAG POWDER

C.E.G.S.A. still has a supply of the high density magnesium powder suitable for use in Diprotodon Hillii but the stocks are diminishing rapidly.

If you have overlooked to purchase your supply do not delay to do so now. The prices are very reasonable in fact they are much lower than the price for more inferior commercial types. The price - \$1.50 per lb. up to 10 lb. lots \$1.20 per lbs for lots over 10 lbs. We also have it in convenient 1½ lb. plastic bottles at \$2.25 each.

MULLAMULLANG REPORT - MULLAMULLANG REPORT

There are only a few copies of this magnificent report left so to avoid disappointment get your order in post-haste and secure yourself Australia's finest speleological publication. The value for money is fantastic. Unbeatable anywhere in the world. The price is a mere dollar.

\$1 - \$1 - \$1 - \$1 - \$1 - \$1 - \$1 - \$1 - \$1 - \$1 - \$1

LIST OF SPELEOLOGICAL TERMS

Based on the J.N. Jennings Report of 4/2/60, to ASF.

TERMS RECOMMENDED FOR GENERAL USE
BY AUSTRALIAN SPELEOLOGISTS

This list aims at providing simple meanings for basic terms which are thought to be in common use amongst Australian Speleologists for ordinary communication in the finding, exploration and simple description of caves. In most cases some modification, generally in the direction of simplification has been made to previously published definitions, so no attributions are made here. The indebtedness to 'British Caving' in particular will be obvious, however. This list will be continued in subsequent issues of the Newsletter.

- | | | |
|-----|---------------------------|--|
| 1. | AVEN | A vertical shaft rising from a cave passage or other part of a cave system but not reaching the surface, although it may meet an upper passage. |
| 2. | BACON | A thin sheet of dripstone hanging from a roof or wall of a cave, translucent and with alternating bands of reddish and creamy colour. |
| 3. | BED | A layer in sedimentary rocks. |
| 4. | BEDDING-PLANE | A surface separating two beds of rock. |
| 5. | BELAY
(noun)
(verb) | The attachment of a man or a ladder to a securely fixed object.
To attach in this manner. |
| 6. | BELAY-POINT | Fixed object used in a belay. |
| 7. | BELAY-ROPE | Rope used to belay. |
| 8. | BLANKET | A thicker type of dripstone curtain, not translucent. |
| 9. | BLIND VALLEY | A valley which terminates at its lower end in a ridge or wall of limestone. It may be a dry valley or occupied by a perennial or intermittent river which escapes underground. |
| 10. | BLOWHOLE | A hole with a surface opening through which air blows in and out strongly. |
| 11. | CALCITE | The commonest mineral form of calcium carbonate and the main constituent of limestone. Has different crystal forms in the rhombohedral system. |

- 12. CAVE A natural cavity in rock large enough to be entered by man.
- 13. CAVE FILL Transported materials such as sand, gravel, mud which cover the bedrock floor, or wholly or partially block some part of a cave.
- 14. CAVE GROUP A number of caves or cave systems, not interconnected but geographically associated in some relief feature or particular geological outcrop.
- 15. CAVE GUANO Accumulations of dung in caves, generally from bats and sometimes partially mineralised.
- 16. CAVE PEARL Smooth, polished and rounded concretion of calcium carbonate found in and around shallow hollows in floors of caves.
- 17. CAVE SYSTEM A collection of interconnected caves or a cave with a complex pattern of chambers and passages.
- 18. CANYON A chasm which has been formed by a cave stream.
- 19. CAVER One who makes a practice of caving.
- 20. CAVING The entering and exploration of caves.
- 21. CHAMBER The largest order of cavity in a cave or cave system; it will have considerable length and breadth, but not necessarily great height.
- 22. CHASM A deep, wide but elongated gap in the floor of a cave.
- 23. CHIMNEY A vertical or near vertical opening in a cave narrow enough to be climbed by means of apposed pressure holds.
- 24. CHIMNEYING Ascent or descent by means of body and/or limb pressures against two walls.
- 25. CHOCKSTONE A rock wedged between the walls of a passage. Occasionally used as a belay-point when stability is assured.
- 20. CHOKE Rock debris or cave fill completely blocking a passage.
- 27. CLAUSTROPHOBIA A morbid dread of being in enclosed spaces.

CHECK LIST FOR A LONG TRIP

Second part of the report on the Jan. 1967 Mullamullang Trip - by Tom Wigley.

Often in planning a long trip or one with a large number of persons to cater for, it is quite a problem to determine what quantities of various items will be needed. The following list is based on that used for the recent trip to Mullamullang and is for 6 persons for 11-12 days. A useful unit in planning such trips is the 'day-person'. Thus the following list is for about 70 day-people; the 1965-66 Nullarbor Trip catered for about 900 day-people so that quantities were about 13 times those quoted below.

Items have been divided into FOOD (sub-divided into Essentials, Tins, Fresh and Others) and GEAR (Kitchen and Other which includes Caving Gear).

<u>FOOD</u>			
<u>Essentials:</u>		<u>Fresh:</u>	
Butter	5 lb	Sausages	15 lb
Sugar	10 lb	Bacon	2 lb
Tea	½ lb	Oranges	50
Coffee (inst)	½ lb	Cucumbers	6
Plain Flour	2 lb	Tomatoes (green)	4 lb
Eggs	6 doz	Onions	5 lb
Powdered Milk	4 lb	Potatoes	4 lb
Cooking Oil	1 pint		
Bread	15 loaves	<u>Others:</u>	
Salt		Rice	2 lb
Ovaltine	2 tins	Spaghetti	2 pkts
		Weetbix (large)	3 pkts
<u>Tins</u> (Wt. in oz. in brackets):		Porridge	1 pkt
Camp Pie (12)	12	Inst. Pudding	4 pkts
Salmon (16)	5	Inst. Mashed Spud.	2 lb.
Peas (16)	6		
Carrots (16)	2	Dehydrated Peas	10 pkts
		Marva	6 pkts
Spaghetti (16)	4		
Baked Beans (16)	3	Biscuits	5 pkts
Tomatoes (large)	2	Dried Apricots (large)	1 pkt
Carnation Milk	6	Sultana	3 lb
Sweet corn (small)	2	Prunes	12 oz
Tomato Paste (8)	2	Vegemite	4 oz
Potato Salad (16)	1	Cheese	4 lb
Plum Pudding (12)	4	Tomato Sauce	2 pints
Herrings (14)	6	Paprika	
Fruit (19)	16	Curry Powder	
Soup (16)	14		
Meat (16)	2	<u>Liquids:</u>	
Saus. & Veg (16)	2	Water	70 gals
Asparagus (small)	2	Fruit Juice	2 gals
Jam (24)	1	Beer	
Reduced Cream (8)	2	Coke	

Check List for a Long Trip (contd)

GEAR

<u>Kitchen:</u>		<u>Other:</u>	
Matches	12 pkts	Kero	2 gals
Dish mops	2	Metho	26 oz
Scotchbrite	2	Tilley Lamp	
Pdr Detergent (large)	1 pkt	(+spare mantles)	1
Tea Towels	3		
Kleenex	1 pkt (400)	Fire Grill	1
Toilet Rolls	3	Shovel	1
Wash-up Bowl	1	Pick	1
Table (flat board)	1	Axe	1
Frypan (large)	1	Trenching Tool	1
Frypan (small)	1	Crowbar (small)	1
Billies (large)	2	Bucket	1
Billies (medium)	2	Hammer & Nails	1
Utility Knife	1	Light Utility Rope	1
Bread Knife	1		
Toasting Fork	1	Cold Chisels	2
Can Openers	2	Carbide	25 lb
Can Piercer	1	Carbide Sieve	1
Grater	1	Ladder & Slings	
Serving Spoons	2	Belay Rope	
Egg Lifter	1		
Spud Masher	1 (for powdered milk)		
Plastic Jug (large)	1		

Personal gear has not been included. No responsibility can be taken for omissions or incorrect quantities. The above list is primarily a guide and doubtless can be improved upon.

For trips to Mullamullang the amount of lightweight food, (Marva, Dehy Veg. etc.) depends on whether plans include an underground camp. The above list has been planned around cut lunches for most days. Fresh bread and sausages were purchased at Madura.

For storing items at Mullamullang, especially in the summer, all perishable items should be kept in the 'Refrigerator'. This is a blowhole situated on the western side of the south doline. A short ladder is needed to make stored food and water easy to get. Items that are constantly needed (butter, cheese, fruit, some water etc.) can be stored in the other strong blowhole in the south doline that is situated in the southeast corner.

Tom Wigley.
12 Feb. 1967.

CAVE EXPLORATION GROUP (SOUTH AUSTRALIA)

PROGRAMME

MAY - JULY, 1967

MAY

Saturday, Sunday 6th - 7th	Liaison trip to Mount Gambier. Leader Norm Hocknell.
Thursday 11th	Committee Meeting, Secretary's Place 49A Jetty Road, Brighton.
Wednesday 24th	General Meeting Museum Lecture Room. 7.30p.m. Lecturer not finalised.
Saturday, Sunday 26th - 27th	Trip to Buckalowie with Bushwalkers. Leader - Peter Hawkes.

JUNE

Saturday, Sunday 3rd - 4th	Curramulka Trip - Corrells and Town Caves. Leader - Peter Hawkes.
Thursday 8th	Committee Meeting at Peter Hawkes Place. 46 Hardy Avenue, East Glenelg.
Saturday - Monday 10th - 12th	Queens Birthday Weekend. Trip to, Narina for Cave Diving in Narina, Lake Cave. Leader - Peter Hawkes.
Saturday - Monday 10th - 12th	Surveying trip to Naracoorte. Leader - Ian Holt.
Saturday, Sunday 24th - 25th	Caving Training weekend for Upper South East Youth at Naracoorte. Leader Athol Jackson.
Wednesday 28th	General Meeting - Museum Lecture Room. 7.30pm Members slide night. Bring your latest slides.

JULY

Saturday, Sunday 8th - 9th	Trip to Punyelroo Cave. Leader - Peter Hawkes.
Thursday 13th	Committee Meeting. Ron Galbreath's Place 66 Ashfield Road, Elizabeth.
Saturday, Sunday 22nd - 23rd:	Training weekend for Senior Scout Leaders at Naracoorte. Leader - Ian Holt.
Wednesday 26th	General Meeting Museum Lecture Room. 7.30p.m. Demonstration and talk on Safety, Search and Rescue, etc.

TRIP CONTACT LIST

Norm Hocknell - 20 Adelaide Tce, Edwardstown. 763827 (W).

Peter Hawkes - 46 Hardy Ave, East Glenelg. 93658 (H)

Ian Holt - 50 Galway Ave, Broadview. 656074 (H)

Athol Jackson - 6 Hudson Ave, Rostrevor. 596467 (W)

COMMITTEE CONTACT LIST

President. Grant Gartrell, 6 Gurrs Rd, Brighton.
234333 Xtn.322 (W) 967022 (H)

Secretary. Leslye Mackay, 49A Jetty Rd, Brighton.
Messages through President.

Quartermaster. Peter Hawkes, 46 Hardy Ave, East Glenelg
Search and Rescue. 93658 (H)

Editor. A. Jackson, 6 Hudson Ave, Rostrevor. 596467 (W)

The Q.M. would appreciate all gear returned promptly after a trip. Trip Leaders are reminded that a rental will be charged on all gear returned late.

Applications to attend trips must be with the trip leader at least 7 days prior to trip departure and applicant must ascertain time and place of departure from the leader.

CAVE EXPLORATION GROUP (SOUTH AUSTRALIA)

C/- S.A. Museum, North Terrace, Adelaide.

C.E.G.S.A. LIBRARY SUPPLEMENT

ISSUE 5

18TH APRIL 1967

S.U.S.S. - JOURNAL OF THE SYDNEY UNIVERSITY SPELEOLOGICAL SOCIETY

- Vol.1. No.1. May 1950: For the Record; Notes on Subterranean Hydrology; Cave Fauna; Some Curious Australian Caves.
- Vol.1. No.2. July 1952: Cave Reports; National Park, Moore Creek, Liena Caves Tasmania Bendithera, Tuglow, Borenore, Jenolan, Yarrangobilly; Cave Photography; Physical Characteristics of the Air in and Around Jenolan Caves.
- Vol.1. No.3. May 1953: Cave Reports; Jenolan, Yarrangobilly, Rosedale; Remarks on Bats, Foul Air and Bungonia; The Danger of Foul Air; Wetas of Tasmanian Caves; Caves of Tasmania.
- Vol.2. No.1. Jan. 1955: Cave Reports; Bungonia, Comboyne, Yarrangobilly, Narrangullen, Wombeyan; Yarrangobilly Incident; Some N.S.W. Cave Locations; Lakes in the Mammoth Cave; New Cave at Jenolan, Cliefden, Wellington; Was Shakespeare a Speleologist; Underground Mapping; The Scaling Pole; Ladders; Maps of Jenolan, Yarrangobilly and Cliefden Caves.
- Vol.2. No.2. May 1955: Cave Reports; Abercrombie, Wellington, Burran Burran, Finch's Cave, Camooweal, Bungonia Foul Air, Buchan, Bendithera; N.S.W. Cave Systems; The Physiological Effects of Foul Air; Fluorescein and Water Tracing; Map; Western Eagles' nest, Yarrangobilly.
- Vol.3. No.1. Feb. 1956: Cave Reports; Report of the Jenolan Sub-Committee, Yarrangobilly Rosebrook, Michelago and London Bridge Caves; Federation of Aust. Speleologists; Creek Tracing at Yarrangobilly; Kangaroo Island Expedition; Walkie-Talkies in Caves; The "After-Glow" of Cave Calcite; Speleology Abroad.
- Vol.3. No.2. Dec. 1956: Discovery of the Foz Hole at Jenolan; South Aust. Caving Potential; Fossil remains in South Aust. Caves; McKeown's Creek and the Underground River; Timor Caves; River Cave System, Jenolan; Wheeney Creek Caves and Haematite Stalactites; Walkie-Talkies in Caves; Cave Areas of the Western United States.
- Vol.4. No.1. June 1957; A.S.F.; Cave Reports; Casteret and Serpentine Caves, Jenolan, Wyambene, Yarrangobilly, Yessabah Limestone Area, Nullarbor Plains Expedition, Jan. 1957; The Bogy Man; A.S.F. Constitution.
- Vol.4. No.2. 1958: Letters of Rachel Henning Concerning Jenolan; Wombeyan Caves and Maps; Speleology as a Science; Flash-Powder; 40,000 Grottoes; Plea for Singularity; Caves of France; Aven Armand; Colong River Cavern; Preparation of Hydrogen Balloons; Spores in Water Tracing; Collection of Fauna.
- Vol.5. No.1. Oct. 1958: Foul Air in Caves; Flight Navigation in Bats; Cave Creek Faun Reports on Yessabah and Yarrangobilly Caves; Huff and Puff, An Odd Hazard in Speleology; Eucalyptus and Helictites; Of Hitching; Hollow Calcite Formations.
- Vol.5. No.2. Dec. 1959: Cave Digging; The Survey of the Drum Cave; Cave Fauna at Wombeyan; Foul Air; The Correct Use of the Alpine Rope in Caves; New Variety Cave Animal; Six Feet Under the Earth.
- Vol.6. No.1. June 1960: The C.E.G.S.A. Nullarbor Expedition 1959/60 Archaeological Notes; Caves in the Soviet Union; Drama in Real Life; The Evolution of the Jubilee Cave, Jenolan with Map; The Third Theory of Cave Formation; Irresponsibles Make Caving History; Helictites: An Explanation on the Crystal Dislocation Theory; Cave Reports: Jenolan, Bendithera, Mount Fairy Cave, Map of Bendithera Limestone; Index to SUSS Journals (Vol.1-5); 3 Jenolan Cave Maps.
- Vol.6. No.2. Oct. 1961: Mammoth, More Mammoth; Bats; The Macleay Valley; Colong Revisited; The Origin and Behaviour of Foul Air; Geophysical Investigations in a Cavernous Limestone Region.
- Vol.6. No.3. 1962: Going Caving; Notes on the Use of Ladders; Design of Caving Ladders; Rope Work -Handling Rope when Climbing; Knots used in Climbing a Rope and Abseiling; Type of Rope and Safety Factors; Snaplinks, Karabiners & Artificial Anchors; When to Belay; Climbing.
- Vol.6. No.4. Nov. 1963: A Conspectus of the Cave Systems within 500 miles of Sydney; Cave Animals; Bone Deposits in Caves; A Preliminary Report on a Collection of Marsupial Fossils from Wellington Caves, N.S.W.
- Vol.7. No.1. 1966: Going Caving; Caving Ladders; Ropes and Knots; Advanced Techniques; Climbing Methods.

Norman Hocknell,
Assistant Librarian.

UPPER SOUTH-EAST RURAL YOUTH ZONE

THE CAVE EXPLORATION GROUP (SOUTH AUSTRALIA)

will conduct a

WEEKEND CAVING SCHOOL

For Rural Youth - NARACOORTE - 24th-25th, June 1967.

Direction: Grant Gartrell, Alan L. Hill,
With members of the Cave Exploration Group.

PROGRAMME:

SATURDAY, 24th June.

1.30pm. Meeting at Naracoorte Caves Reserve, 1.30pm. or earlier if possible. Introduction to Caving. Some easy caves will be visited to accustom members to the atmosphere of wild (underdeveloped) caves.

8.00pm. Meeting at Adult Education Centre, Naracoorte. Lecture on general introduction to Caving with C.E.G.(S.A.). This will be followed by short talks on various aspects of caving, e.g. safety practices - equipment design - cave surveying - and cave photography.

SUNDAY, 25th June.

8.30am. Meeting at Naracoorte Caves Reserve. Party will split into groups according to party interests, e.g. photography. Members should have a packed lunch.

The School will be conducted by experienced members of the Cave Exploration Group (S.A.). Instructions will be given in many aspects of caving for beginners.

It is IMPORTANT to follow the attached instructions about clothing etc.

Members will supply own accommodation. Suitable Caravan Park and facilities are available at the Reserve.

(Tear Off)

CAVE EXPLORATION SCHOOL.

conducted by

CAVE EXPLORATION GROUP (S.A.)

JUNE 24th and 25th, 1967.

Mr. David G. Densley,
Box 284, KEITH. S.A.

I wish to attend the Caving School.

NAME

ADDRESS

ENROLMENT FEE \$1.00 enclosed. CLUB

CAVE EXPLORATION GROUP (SOUTH AUSTRALIA).
ADVICE FOR BEGINNERS.

Naracoorte Caves,

CLOTHING.

Participants will require combination overalls (or very old clothes) and an industrial safety helmet if possible (at least an old felt hat), World War II "Tin Hats" are not acceptable. Leather or cloth gloves are useful. Footwear should be strong with solid heels. "Centurion" or similar work boots are ideal. Haversack or small pack is useful for lunch etc.

OVERALLS - HELMET - GLOVES. - BOOTS.

LIGHTING.

Adequate and reliable lighting is essential. There is nothing worse than caving with poor lighting. In large parties this is not only uncomfortable for the people concerned, but will make all the difference to their enjoyment.

The best all round source of light is a carbide lamp. These are not readily available, however. A strong reliable torch, with spare batteries and spare globes, is adequate. This should be fitted with a wrist strap to guard against dropping. A new set of batteries in a torch will only last 3 to 4 hours in continuous use, and fail very quickly near the end of their life. Carbide lamps will last easily 8 or 9 hours on one filling and if used carefully may last up to 15 hours.

Candles should also be carried for emergency lighting. They should be cut in half to make approximately 4" lengths.

Safety matches should be carried, if possible, in a small waterproof metal container.

TORCH WITH STRAP - BATTERIES - SPARES - CANDLES - MATCHES

CAMERA enthusiasts.

You should protect your camera with ample padding and plastic bags to ward off bumps and dust. Kleenex tissues and blower brush may be useful. Locking type cable releases and tripods are an advantage but not absolutely essential. Flashguns are also useful but not absolutely necessary.

COMPASS.

A pocket compass is not necessary, but if one is available it will not hurt to bring it.

CAMPING.

Participants living a long way from Naracoorte may wish to camp at the Reserve on the Saturday night. At this time of the year tents, ground sheets and warm sleeping bags are essential. Caravans could also be parked.

Showers and other facilities are available at the Reserve. Anyone showering after caving should have a change of clothing, and remove boots and overalls outside the entrances to the showers to keep the showers clean.

S.A. MOUNTAIN ACTIVITIES FEDERATION
SEARCH AND RESCUE SECTION
ORGANIZATION NOTES

May, 1967

One of the objects of the South Australian Mountain Activities Federation is to maintain a civilian search and rescue organization which can assist in the search and rescue of persons missing in wild country accessible only on foot and persons in distress in situations involving technical mountain skills e.g. rock climbing and caving. Such an organization has now been formed from members of affiliated groups and will normally operate in conjunction with the S.A. Police Department.

Similar groups exist in most countries where mountainous regions are accessible to club groups and the tourist, and their success is dependent on the co-operation of employers allowing leave to group members in the event of an emergency arising. In Victoria the Search and Rescue Section of the Federation of Walking Clubs in conjunction with the Police Department has over the past twenty years saved many lives by efficient, systematic action. There, in nearly every case, employers of rescue group members allow special leave, generally on full pay, in the event of an emergency arising.

It should be realised that the present incidence of large scale searches in mountainous regions (generally the Flinders Ranges) that would require the services of the organization is not very great. Perhaps once in two years may be a reasonable estimate. However, when such an occasion does arise, the presence or otherwise of an organized well equipped pre-trained group arriving punctually on the scene can make the difference between life and death. An analysis of the Bannon and Maxwell searches at Wilpena Pound should be sufficient to illustrate this.

Groups Represented

The groups at present represented in the organization are:

Adelaide Bushwalkers
Adelaide University Mountain Club
Boy Scouts Association (Rover Scouts)
Cave Exploration Group {S.A.)
Scotch College Expedition Club
Youth Hostels Association S.A.

Cont....2/

Operation

In the event of any person(s) being missing in which the Police Department considers that the Search and Rescue Group could be of real service to its own Emergency Rescue Group, we are immediately available by the process of the Police Department contacting our Search Liaison Officer. This officer will then alert the Group including the Group Contacts who will contact Group Members.

In this event we have the understanding that:

- (1) The Group will not be called for cases directly involving criminal investigation, or to find, in ordinary circumstances, the body of a person known to be dead.
- (2) Under normal circumstances, the Police Department will provide transport to and from the search area.
- (3) The Group will be permitted to function as a Group under the direction of its own Field Organizer, who will make the Group, through himself, available to the Police Officer in charge at the search area.

In the event of a party from one of our member clubs meeting with accident or becoming overdue, the club concerned, through its Search and Rescue Representative, may contact the Group's Search Liaison Officer who would then initiate a search and advise the Police Department if necessary.

S.A. MOUNTAIN ACTIVITIES FEDERATION
SEARCH AND RESCUE SECTION

Issue No.2.
May, 1967

NOTES AND INSTRUCTIONS TO GROUP MEMBERS

GENERAL

You have been enrolled as a volunteer in our Search and Rescue Section and are therefore now "on call".

It is assumed that you will always maintain yourself and your gear in a state of readiness. This is particularly important to keep in mind because in South Australia the incidence of searches that would require our assistance is at present very low and long periods may elapse between them. When a call does come, it would be quite inadequate if a great deal of time is lost in assembling gear and clothing. Please concern yourself with this problem and arrive at a convenient solution to it.

GEAR

The gear required for a search is listed separately. It corresponds fairly well to your usual list but there are a few extras which are required for good reason.

FOOD

You are required to take four days food with you when called for on S. & R. The attached food list may not be entirely to your usual taste. Please bear with it because it will make life so much simpler and more efficient at base camp. The increased weight of ration is not important because most of it is left at base camp and the canned aspects mean that you can keep a corner of the kitchen cupboard reserved and stocked indefinitely.

CALL UP

Any call up of the Section MUST COME TO YOU FROM THE FEDERATION'S SEARCH LIAISON OFFICER (S.L.O.) VIA YOUR GROUP CONTACT. Do not take any action on any request unless it comes through this correct channel.

It is understood that our services will not be called on unless the need is considered sufficiently great. We will not be called upon to assist in any case involving criminal investigation, nor to find (in ordinary circumstances) the body of a person known to be dead. The normal purpose is the humanitarian one of assisting where a person may be lost, injured or distressed. Therefore, it should be understood that, if a call comes through your Group Contact, there is no need to question it. Simply record what is told to you and indicate whether you can meet the demand.

If or when you are called do not attempt to recruit other people no matter how willing or capable. If you know of such people, then have them enrolled with the S. & R. Section so that they can be made an integral part of the organisation.

CALL OFF You must always be prepared to receive a "Call off" in the event of a person being found. This might occur right up to the time of arrival at the search site. It may cause considerable inconvenience but it cannot be helped and must be taken in good part.

PROCEDURE AFTER CALL UP

Proceed to the transport terminal as directed by your Group Contact. Immediately report to the Federation's Transport Officer and see that your name is recorded. Do not board any transport until this has been done. Do not part company with your gear.

On arrival at Field Headquarters, report immediately to the Federation's Field Organiser or his deputy. All your instructions will be given by him or by his deputies. If your services are subject to any limitation (i.e. length of stay) notify this to the F.O. Do not take part in any search activity unless you have signed in with the F.O. and unless the direction to do so comes from the F.O.

At the end of a search or when you leave the search, you must:-

- (1) sign out with the F.O. before leaving search area.
- (2) when you arrive back in town report by phone to your Group Contact.

GENERAL CONDUCT. You must realise that from the time you are called on a Search, you are a member of a team that will largely be judged by the general public and the Police Department by the conduct of its individual members.

Matters of appearance, conduct and general attitude are very important. A search is no picnic. There is no place for cameras, transistors or bottles of pick-me-up and quite apart from the practical aspects, such items convey bad impressions.

Refrain from discussing any aspect of the search with the public generally or with Press representatives. All such inquiries should politely be referred to the Field Organiser or his duties who will be in full possession of the facts.

HOMEWORK All group members are urged to purchase a copy of "Taking Care in the Mountains" from N.F.C 70 South Terrace. This contains all relevant signalling codes, stretcher making instructions etc. This revised publication has been edited by the Federation's Advisory Panel.

You are also strongly advised to read (better still, buy) a copy of "Mountain Search and Rescue Organisation" by Bridge. There are two copies in the N.F.C. library.

S.A. MOUNTAIN ACTIVITIES FEDERATION

SEARCH AND RESCUE SECTION

EQUIPMENT LIST

GENERAL. Tent. (This. will be pitched- at. Search Base) Rucksack.
Groundsheet.
Sleeping Bag.
Long trousers (shorts may also be carried)
Strong shirt.
Two woollen pullovers.
Spare socks.
Boots.
Waterproof parka-anorak or equivalent.
Hat (sun or rain protection)
Toilet gear.
Eating utensils (mug, bowl, spoon, tin-opener etc.)
Billy.
Water bottle (at least two pints).
Matches in waterproof container.
Notebook and Biro.
Map of area and water-proof container.
Good torch and spare batteries, globes (headlamp preferable)
Compass.
Copy of "'Taking Care in the Mountains".

S. & R. SPECIALS

First Aid kit (see separate list)
Whistle
Work gloves.
20 ft. of sisal rope. ($\frac{5}{8}$ ").

OPTIONAL EXTRAS

Machete .with wrist loop.
Binoculars.

IN ADDITION

For very cold weather you may need
Woollen mittens, balaclava, an extra sweater, meta tablets,
spare warm trousers, spare underwear.

For very hot weather
Light, loose fitting clothing, a good hat, extra water-
carrying capacity (8 pints).

NOTE

In packing, prepare for the worst. There will be time at
Field H.Q. to repack, re-organize, and leave gear in your
tent.

S.A. MOUNTAIN ACTIVITIES FEDERATION

SEARCH AND RESCUE SECTION

FOUR DAY FOOD LIST

(a) Food to be delivered to Base Camp Organizer.

*	Quaker instant oats.	4, one servo packets
*	Baked Beans	4, 4oz tins
*	Soup	2, 8oz cans Celery or Asparagus
*	Green peas or beans.	4, 8oz cans
*	Meat	4, 8oz cans
*	Potato flake	2, packets of Deb

(b) Food to be kept in your tent

The following is suggested only. You may wish to vary this according to taste.

*	Powdered milk	1, 12oz tin.
*	Sugar	12 oz.
*	Tea bags	1 dozen
*	Biscuits	1 pkt Vitawheats
*	Butter	$\frac{1}{2}$ lb
	Cheese (spreads etc)	$\frac{1}{2}$ lb
*	Nuts and raisins	
*	Salt	
*	Glucose tablets	
*	Steri Caps	

All items * can be stored in a cool place indefinitely.

S.A. MOUNTAIN ACTIVITIES FEDERATION

SEARCH AND RESCUE SECTION

FIRST AID KITS

MINIMUM PERSONAL KIT

Triangular Bandage	1
Adhesive Plaster 1" roll	1
Elastoplast strip dressings (assorted)	6
Antiseptic Cream (Savlon) (tube)	1
Cotton Wool	2 ozs
A.P. Codeine tablets	6
Aspirin	12
Tourniquet (30 inch length of 2" OD. rubber tubing)	1
Safety pins	6
Needle	1
Sunburn cream (tube)	1
Water sterilization capsules (Stericaps)	20
Matches in waterproof container	
Band-aids	

FIRST AIDERS

In addition to the above kit, qualified first aiders are asked to bring the following:

Crepe Bandages	2
Adhesive Plaster 3" roll	1
Antiseptic (PhisoHex) (plastic bottle)	1
Sterile Dressings (sealed cotton gauze pads)	6
Oral Pethedine	4
Thermometer	1
Scissors (small)	1
Tweezers (small)	1
Insect repellent (Dimp) (plastic bottle)	1
Tie-on labels (for case recording)	2
Notebook and Pencil	1
First Aid Handbook	1

S.A. MOUNTAIN ACTIVITIES FEDERATION

SEARCH AND RESCUE SECTION

GROUP MEMBERS ENROLMENT

The following points should, be noted:-

- (1) Training will Involve about one weekend and one or two evenings each year.
- (2) Group members will formally be registered with the organisation and will be subject to its rules, regulations, insurance arrangement's, etc. Persons not registered will not be accepted for particular searches.
- (3) Group members will be required to be adequately equipped and to keep four days food supplies on hand.
- (4) Group members will be classified under two headings:-

(a) Availability -

- 1) Category A members leave work immediately after call up, collect their gear and report to the transport terminal.
- 2) Category B members require more notice and in general are available to report at transport terminal the evening following the call.
- 3) Category C members are available for weekends only.

(b) Skills

ENROLMENT FORM

Having checked with my employer, I am able to say that for Bush Search and Rescue call-up I will be available during the greater part of the year as under:-

Availability (A, B or C)

(If your availability does not fit into these categories, please summarise.)

Do you hold a current First Aid Certificate? YES/NO

Name:

Address:

Phone: Business Home

Emergency

(e.g. neighbours phone if no home phone)

Club

Signature Date

(Signature of parent or guardian required if member under 21).

CAVE EXPLORATION GROUP (S.A.)
Search and Rescue Organisation

23.6.67

GROUP CONTACTS

	<u>Home</u>	<u>Business</u>
SANDERS, Fred H	8 Wattlebury Road LOWER MITCHAM 763839	Austral Elevator Co. Hindley Street, ADELAIDE. 513458 (8.00 - 5.30)
MACKAY, Leslye House.	49A Jetty Road BRIGHTON 967022	Music Dept., Football Hindmarsh Square, ADELAIDE. 232272 Ex.247
HAWKES, Peter R	46 Hardy Avenue GLENGOWRIE 93658	Dept. of Mines. Dalgaish Street, THEBARTON. 578053 Ex.230 (8.00 - 4.45)

SEARCHERS

HAWKES, Peter R	as above	as above.
GARTRELL, Grant	6 Gurrs Road, BRIGHTON, 967022	Uni of Adel Physics Dept. 234333 Ex322 or 317, (9.00 - 5.00)
JACKSON, Athol R	6 Hudson Avenue, ROSTREVOR 373915 (emergency only)	W.R.E. Salisbury 596467 (9.00 - 4.30)
HILL, Alan L	84 Perseverance Road, TEA TREE GULLY 641523	W.R.E. Salisbury 59705, (9.00 - 4.30)
HOLT, Ian	50 Galway Avenue BROADVIEW 656074	as for home 656074 all hours
HOLT, Graham	as above	as above.
DASBOROUGH, Bart	6 Bradbrook Avenue ATHELSTONE 374697	234866.
GRAVES, Rodger C	11 Illawarra Avenue BRIGHTON 963352 (next door)	John Martin's. 100 Rundle Street, ADELAIDE 230200 Ex.421 (9.00 - 5.00)
SANGSTER, Hugh E	11 Esplanade NORTH HOVE 967749	SA Institute of Technology. 233866 Ex 367 (9.00 - 5.00)
ROBERTSON, Peter	411 Cross Roads EDWARDSTOWN 535732	Pye Pty Ltd 1 Ifould Street, ADELAIDE, 233979.