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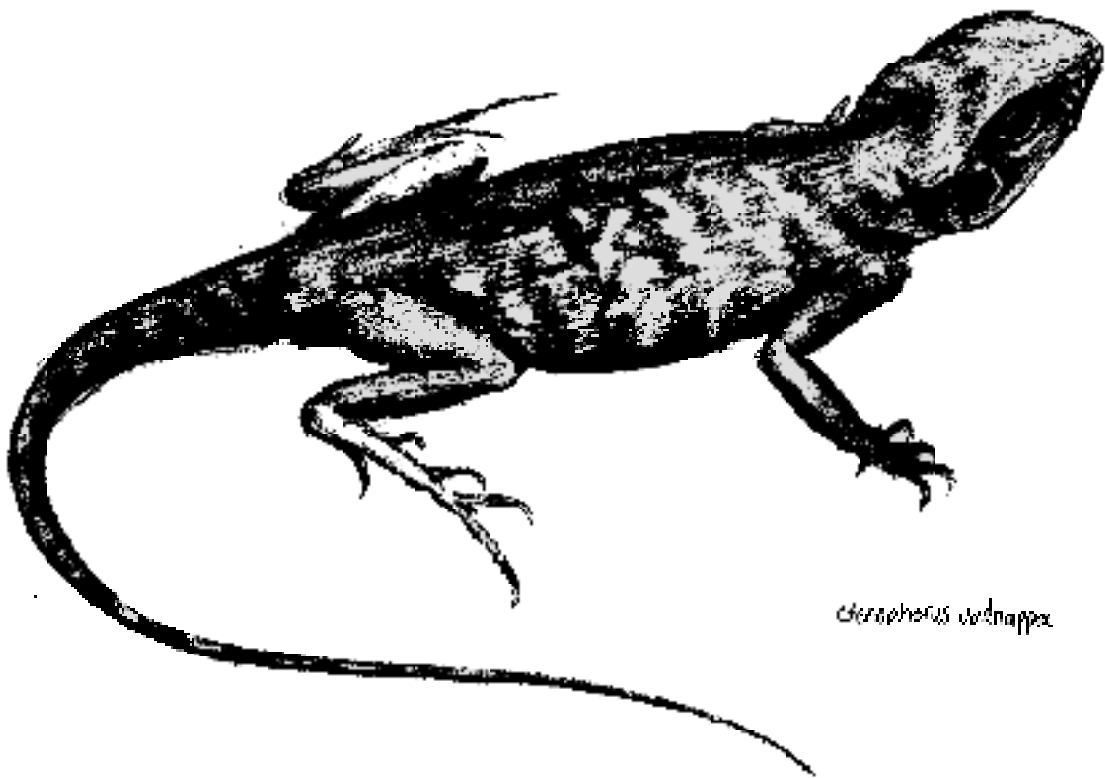
SEGMENTS

Journal of the
SCIENTIFIC EXPEDITION GROUP

September 1999

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P.O. Box 501 Unley S.A.



Chelonophorus udzungwe

EDITORIAL

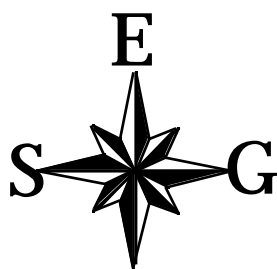
As mentioned in the last issue of SEGments the Scientific Expedition Group is reassessing its role and the method by which it carries out that role.

A highly successful assessment and planning seminar entitled "SEG at the Millenium" was held on Sunday 12 September 1999 at the Willing residence. The participants at the seminar discussed a number of different models and options for SEG but the concensus was that although an amount of work is necessary the general thrust is in the right direction.

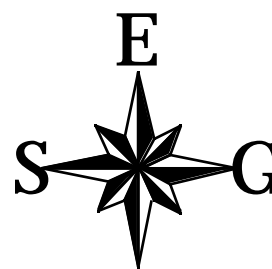
The ideas which are going back to the commiteerelate to strengthening and focussing our access to relevant groups of expeditioners and to arrange value for money sponsorship so that suitable expeditioners are not excluded because of insufficient funds.

SEG is different than many other organisations competing for people's attention. Our strength is in providing an adventurous introduction to scientific field work. We lok forward to continuing the good work of the last 15 years into the new Millenium.

Alun Thomas



"SEGMENTS" is the authorised journal of the
SCIENTIFIC EXPEDITION GROUP INC.
PO Box 501, Unley, SA 5061



Patron: His Excellency, the Honourable
Sir Eric Neal, AC, CVO.
Governor of South Australia

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Ecological Projects Co-Ordinator Duncan MacKenzie

Warraweena Expedition

Preliminary report

by

Christopher Wright

The Expedition left Adelaide, starting with the advance party on Friday 2 July, followed by the Main group on Saturday 3 July. Base Camp was established some 3 km south of Warraweena Homestead in open ground, with tremendous views of the Mt Hack range. Expeditioners and leaders provided their own tents for sleeping. A large marquee was used as a kitchen and amenities tent, and provided shelter during some of the colder evenings. The smaller tent owned by SEG was used as the "Scientific" tent and the fauna and vegetation work, and data compilation was done there, mainly by Bob Sharrad and Graham Medlin.

There were some 22 Expeditioners and 10 leaders. Expeditioners were drawn mainly from Adelaide University and the University of South Australia. There were no high school students in the group although two did apply and later withdrew. With one or two exceptions, all Expeditioners performed well at all times, showed great enthusiasm and willingness to help with routine and often arduous and unpleasant tasks, under conditions that were cold and exposed in the South Australian outback winter. Joe Mack, from Loxton in the South Australian Riverland was the oldest of the group, aged 71. He and John Love particularly, felt the cold, but it did not deter them from participating to the fullest extent. The youngest expedition, Bindy Bennett(12), from Sydney showed great interest, and obviously enjoyed the experience immensely.

Brendan Lay of the Pastoral Management Division of DEHAA planned an Exclosure project, to demonstrate the effect of protecting a rare Casuarina species from grazing pressures. This took place at Yellow Well, some 40 minutes drive south of the Base Camp, on a ridge on the south

west side of Mount Stuart. Two adjacent Exclosures were constructed, each 50 metres square, and a control plot was marked out, some 30 metres to the north. Full rabbit and goat proof fencing was constructed, and will remain in place for at least 20 years, while the regeneration process is monitored. Access to the site was extremely difficult, by heavy 4-wheel drive in low ratio. Brendan had brought most of the materials up during an earlier trip, and established a camp close by. His wife Elizabeth and sons Greg(12) and Sandy(10) were there also, and each day one of the Expedition groups went up to Yellow Well to assist, and stay there overnight. Rob Matthias and I visited the camp on three days and provided assistance. Joe Mack also spent three days up there. The fencing was constructed well under very difficult conditions due to the steeply sloping hill, stony ground and inexperience of the helpers. Brendan himself worked incredibly hard to get the job done, and even got up at 3 am one morning to replace a defective corner post, by the light of the moon, because he was worried about its possible failure. Elizabeth participated with cheerful enthusiasm keeping the camp in order, her boys occupied, and helping with the fencing on all possible occasions. The Expeditioners worked like Trojans, and some in particular, made up for their lack of physical strength with dogged perseverance and good humour. On the final day of construction, when the fence was complete and the control plot laid out, Casuarina seedlings grown from seed collected at the site, were planted in the middle of each of the plots. The

sites were photographed, but will be scored by Brendan at a later date.

A comprehensive Pitfall, Elliott and cage trapping program was undertaken at 8 sites covering a representative range of vegetation communities. The logistics for this work were demanding, with 16 pitfall lines laid out, each with drift netting pegged down and a total of 16x6=96 pitfalls to be dug in hard and rocky ground. Elliott Traps, and Cage traps were laid, and insect pitfall lines were set up. Led by Bob Sharrad and Graham Medlin the program was completed satisfactorily and the requisite number of trapping nights were achieved. They led by example with boundless hard work, good humour and enthusiasm. Although the winter conditions meant that there was little activity from reptiles and small mammals, the catches were reasonable, and the trapping program will be repeated later in the year under warmer conditions.

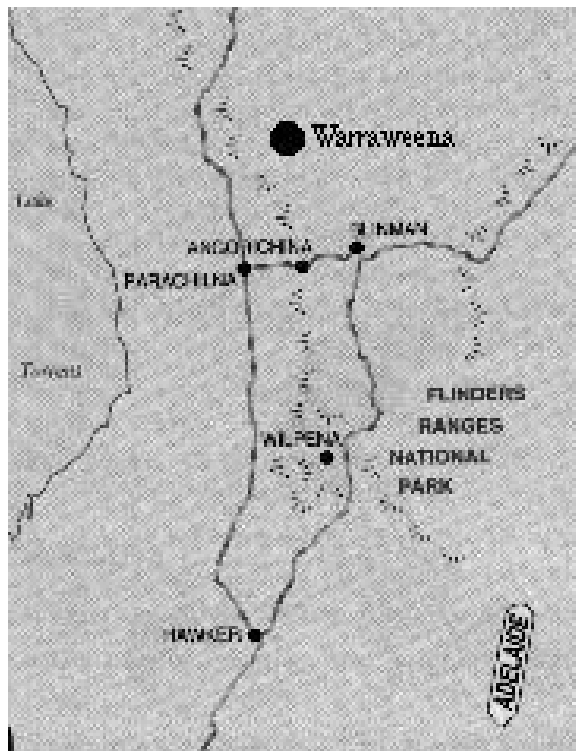
Wendy Telfer led the bird identification survey, which was conducted morning and evening, at the same locations as the trapping lines, by successive groups of Expeditioners. The program went extremely well and Wendy was pleased with the record of birds identified. I participated in one of the survey days, and was most impressed at the competency and knowledge of the leaders, and their willingness to instruct those of us who knew very little about birds.

John Love and Sarah Hayes conducted the archaeological and historical survey of a

variety of sites on the property. I will leave John to present the results of the work in due course, however there have been some surprises, particularly in finding some stockyard constructions that are most unusual. Unfortunately it was not possible in the time to contact the previous owner, Keith Nichols, to try to find out the origins. I am sure that John Love will follow this up in due course. I would like SEG to note in particular John's meticulous preparation for the expedition and the survey, including at least 3 reconnaissance visits, and his careful work at photographing, recording and storing the artefacts. This is

in addition to his willingness to take his vehicle to some most inaccessible locations with considerable nerve and determination. John's quiet manner hides a very active mind and an excellent sense of humour which we have all enjoyed. John also kept the minutes at all meetings, organised the mailouts to leaders and Expeditioners, without much help from the rest of us. The Love family managed to recruit a major portion of the Expeditioners.

Wendy Telfer is the Coordinator, appointed by the Nature Conservation Society, to prepare baseline data for the Warraweena management plan. Her appointment was recent (April 99), and although she was not required to take on a major role in running the expedition, she offered her services immediately and in full. With the assistance of David Wilson and Matthew Ward, she quickly took charge of the major tasks of organising the expedition and in particular the catering. This task, for some



Warraweena Locality Map

35 people, was accomplished with an efficiency and lack of fuss which disguised the sheer hard work that it took. Although at the start, it was made clear that all Expeditioners would assist with the food preparation and associated tasks, the large number of groups and the long program each day, made it difficult to share the tasks, and on most days, Wendy, David, Matt and Paul Wainwright, did the bulk of the food preparation and distribution. In a report that records a large number of superlative efforts, it is hard to do justice to the hard work and efficiency of this team, particularly as each member made it seem just a routine contribution. The compelling evidence was that all members of the expedition were well fed, and everyone acknowledged that the catering was the best that they had experienced on an expedition. Food for the Adventure Phase was provided with great efficiency and minimum fuss, and there were no grumbles or complaints, a tribute to their efforts. Foodland once again put together the whole food order, offered a discount, and had it ready for collection with their usual thoroughness.

Annie Bond was involved with planning the vegetation survey and logistics. She prepared the expedition handbook, and she and Paul Wainwright undertook the resurvey of the photo points set out by Brendan Lay. Annie worked on the tricky problem of working out how 7 groups of Expeditioners would be deployed, how to provide transport to get them where they needed to be, and somehow to ensure that the tasks and experiences of each expedition were fairly distributed. The setting up and adjusting of the matrix of people, groups, vehicles, drivers and tasks, on the Whiteboard in the big marquee, was a challenging task that was well done and effective.

Rob Matthias again supplied critical logistic support with communications equipment. His Repeater station, set up with grunt and effort on a small hill to the west of the camp, provided a most effective means of communication between vehicles, Expeditioners and the Base Camp. This was an essential safety feature in case of accident, and made the tricky problem of moving people and

vehicles at the right place and time, possible. Rob provided a heavy 4-wheel drive vehicle which made the critical daily trip to Yellow Well, supplying Expeditioners and their food and equipment. His huge caravan disgorged a host of vital equipment such as the large barbecue and the water heater, and a dozen most welcome chairs. His Satellite phone gave us essential communications to the outside world. Rob gave willing assistance to the fencing program at Yellow Well, spent time with most of the scientific programs, and notably took over the cooking at Base Camp during the adventure phase, allowing the scientists to concentrate on their investigations and data recording.

Graeme Oats has kept financial control of the expedition with his customary efficiency. This, as SEG well knows, is vital if we are to survive. He has kept our expenditure within budget, planned the Adventure Phase walks, and led a group of novices on a 5-day hike through some remote country. We have learned to expect this unending voluntary contribution from Graeme, but I think it is important to remember how valuable it is. Graeme was active throughout the planning phase, and managed to get up to Warraweena to help with establishing the camp. Work commitments required him to return to Adelaide in the first week, but he was back at Warraweena by Friday night, set up the information displays at the Open Day, and then went bush for the 5 days. He generously lent his car to Sarah Hayes and 4 others who needed to be back in Adelaide by the weekend. Graeme put on an excellent SEG display at the Open Day.

On Sunday 11 July, an Open Day was held by Wetlands and Wildlife, the owners of Warraweena, to explain how the organization works, and their plans for the future for Warraweena. Janice White and Keith Frost represented Wetlands and Wildlife and gave a talk lasting about

30 minutes. Chris Wright then spent a few minutes explaining what SEG was and what we were doing. At the end of the formal presentations, the guests were invited to participate in a barbecue, prepared and cooked by SEG, to look at the various displays and talk to SEG and W&W people. Bob Sharrad had several calico bags with reptiles and one snake. He put on an excellent "Show and Tell" presentation, in an entertaining manner to about 30 onlookers including pastoralist and their kids and several aboriginal families watching. His efforts were commendable and he did a great deal to convince the neighbours about the value of SEG's involvement on Warraweena and the way we helped Wetlands and Wildlife.

Water for use at Base Camp came from the tank at Sliding Rock. Chris and Graeme took the bus for a run and filled the 12 water drums every couple of days. The Adventure Phase consisted of three groups, totalling 19 Expeditioners and leaders. Graeme had planned 4 different walks, and Expeditioners were required to nominate their choice of walk. Originally the program was for a 4- day walk, later extended by an extra day, allowing the inclusion of a day climbing Mount Hack. Ten Expeditioners nominated for the Red route, including the peaks, Mt Hack, Mt Gill or Tilley, and Mount Stuart, and extensive walks along Sliding Rock Creek and Warrioota Creek. These were divided into two groups, led by Graeme Oats and Chris Wright. Wendy, David, Paul and Matt, and three others chose their own shorter walk, so that they could prepare the Friday night dinner, and then spent a hard day climbing peaks on the Mt Hack range. Graeme and Chris' groups tackled the walk with determination, climbed mountains, counted feral goats, looked at waterfalls, survived the cold, went to bed at dusk and started afresh at dawn for 5 hard but enjoyable days. Chris Deering and David Ireland suffered knee problems, but were not too much the worse for wear. The rest did well and obviously enjoyed the experience. One of the leaders had been recorded on film, having a cold bath in the sheep trough at Hallies Well.

The Expedition returned safely to Adelaide on Saturday 17 July. By 6:30 pm the last Expeditioner had been collected from the Victor Richardson gates at Adelaide Oval, and all that was left was Chris Wright and a huge pile of assorted traps, rather dirty boxes, equipment, and 4 dustbins of non-recyclable garbage. However the arrival of Wendy Telfer and Matt Ward with the Subaru and trailer allowed the Met Bureau equipment to be returned to Kent Town, the garbage dumped in the Met Bureau hopper, Wendy and Matt to be delivered to their house in Unley, the cage traps unloaded at Graham Medlin's house in Bedford Park, and finally for Chris to park a very dirty vehicle, trailer and contents in the back garden of his house at about 8:00 pm. Sorting of gear, returning of unused food, returning of the bus to Kanga, and various unpacking and washing, will happen over the next few days, thanks to ongoing help of so many willing volunteers. A great experience was enjoyed by all.

Transport was a major issue for the expedition, and there were only just enough vehicles to move the groups to their respective sites each day. The first day was the most difficult, but thereafter we managed without too many dramas. SEG should note the generous contribution of the bus, by the University of South Australia, thanks to arrangements by Bob Sharrad. SEG will pay only for the fuel. The University also provided the Food Trailer, and a huge enclosed trailer for transporting gear. The equivalent value of this support is well over \$2,000. Rob Matthias arranged for the supply of the heavy 4-wheel drive vehicle, communications equipment, the barbecue, and the hot water heater. Equivalent value of this equipment would be another \$2,000. Private vehicles were provided by John Love(Prado), Chris Wright(Subaru & trailer), Fiona Bennett (Nissan 4-wd ute), Graeme Oats (Daihatsu), Graham Medlin (Mazda dual cab ute), Joe Mack (Hilux Ute & trailer). SEG paid fuel costs on site and for the repair of a couple of tires.

YELLOW STRINGYBARKS

HOW A FRENCHMAN STEERED HOME THE FIRST EUCALYPT.

by Richard Willing

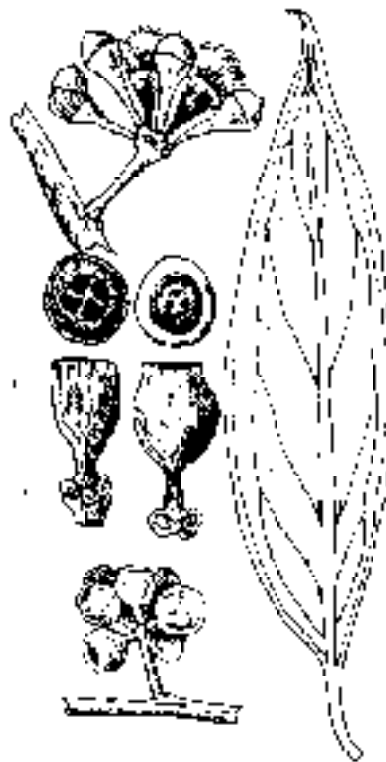
Stringybarks are abundantly visible throughout the Mount Lofty Ranges and many parts of Australia. One of these, the Yellow Stringybark (*E. obliqua*), occupies a unique place in Australia's botanical history. In 1788 it became the first eucalypt described in the scientific literature. It was not the first eucalypt collected but the early specimens were neglected for some time.

In 1770, the Englishman Joseph Banks and his Swedish friend Daniel Carl Solander were botanists on "Endeavour", Captain Cook's ship on his first voyage to Australia. They collected plants in a place later named Botany Bay by Cook. The specimens returned to England but nobody described those that were later named eucalypts. The attractive genus *Banksia* was named after Banks, who became a baronet and president of the Royal Society. Solander died in 1782.

During Cook's third voyage to Australia in 1777 more specimens were collected, including the Yellow Stringybark, by the young plant collector, Daniel Nelson, from Adventure Bay on Bruny Island in SE Tasmania. Nelson took the botanical specimens back to England with him.

Ironically, the specimen of Yellow Stringybark was eventually studied and described by Charles-Louis L'Heritier de Brutelle, a French magistrate and amateur botanist with no particular interest in Australia. He had fled to London to escape the excesses of the

French Revolution. The description was published in 1788, eleven years after collection of the specimen. (Life proceeded at a more leisurely pace in those days!) He named it *Eucalyptus obliqua*. The generic name was derived from the Greek "eu + kalyptos" meaning well-covered, referring to the operculum or cap covering the flowers. It is common to all members of the genus and drops off when the flower comes out. *Obliqua* was the first species described in the genus, referring to the asymmetrical base of the leaves, but now known to occur in many eucalypts.



Unfortunately for L'Heritier he returned to Paris and was assassinated. He was slashed by a sabre in the street in mysterious circumstances. It was 1800, turbulent times in the French capital, the year after Napoleon returned and seized power. Perhaps L'Heritier should have stayed with the plants - botanists are not usually such violent people! His place

in Australian botanical history is assured, beating his more famous colleagues to the naming and first description of eucalypts. From that humble beginning hundreds of species have now been described.

SCIENTIFIC EXPEDITION GROUP

CHAIRMAN'S ANNUAL REPORT 1999

Highlights of this fifteenth Annual Report are: Expedition Warraweena in the Flinders Ranges; the end of the Southern Fleurieu Project; ongoing Gammon Ranges Scientific Project; purchase of equipment; and planning for the future.

EXPEDITION WARRAWEENA

A successful expedition was conducted at Warraweena in July. A former sheep station situated in the northern Flinders Ranges, it is now owned by Wetlands and Wildlife, and has been destocked for two years. With Chris Wright as Chief Leader, the party had 10 leaders and 22 expeditioners. Surveys of vegetation, mammals, birds, invertebrates, archaeology and local history were conducted. It is anticipated that these data will help in the future management of the property. There was an open day and barbeque for the local community which was a good public relations exercise. The adventure phase, organized by Graeme Oats, involved three different bush walks in the surrounding ranges. Thanks are due to those volunteers who gave hundreds of hours of time, and to the sponsors' generous support.

GAMMON RANGES SCIENTIFIC PROJECT

This has been running successfully and generating data for 11 years, guided by Chris Wright and Paul Harvey. Five day trips each three months are undertaken by volunteers. In addition to retrieving data from the pluviometers the small parties take vegetation photo-point shots, and monitor exclosures, stream gauges, mammals and feral animals.

SOUTHERN FLEURIEU PROJECT

The field work for this project has been completed, the last field trip occurring in December. A large amount of valuable data has been obtained which will soon result in a detailed report. Problems with computer software in a government department has caused delays and meant much double-handling of data. If it was not for coordinator Duncan MacKenzie's persistence and hours of tedious time, the report would be nowhere near as advanced as it is.

We were disappointed that National Heritage Trust did not fund an ongoing project, but their emphasis this year was on ground works rather than research, like the SFP.

SEGMENTS

Our enthusiastic editor, Alun Thomas, produces an issue of Segments every three months containing a variety of interesting articles. He is always seeking out fresh talent, so please contact him if you have an article that you would like to be considered for publication.

SCIENTIFIC EXPEDITION FUND

This fund was established some years ago to enable tax-deductible gifts to be made to SEG. It receives irregular generous donations and has been used to help run expeditions at an affordable cost. Recently mammal trapping equipment worth about five thousand dollars was purchased, which means that now we do not have to borrow it, fit in with schedules of the lending organization, or pay for the hire.

The Treasurer's report indicates the extent of donations. Needless to say many small donations are as much help as fewer larger ones. All are received most gratefully.

THE COMMITTEE

Once again I must emphasize the great work of this committee which devotes so much time and energy maintaining SEG. The four longest serving members have 50+ years of SEG voluntary service between them, which ensures great stability. Warren Bonython, as President, Graeme Oats as Treasurer, John Love, as secretary, Chris Wright as committeeman, and myself, as Chairman, form the executive. John Hayes, Alun Thomas, Duncan MacKenzie, Phil Cole, Janet Furler, Trent Porter, Bob Major and Sarah Hayes have all made enthusiastic contributions. Paul Wainwright has just been coopted, and, unfortunately, John Hayes has resigned as Vice-chairman due to health problems. We wish him a full recovery.

Recent committee member Linda-Marie Hall last year reached the finals of the SA division of the Young Australian of the Year Award. She has been asked by the organizers to nominate again this year. We congratulate her on last year's effort, and offer her our best wishes this year.

FUTURE PLANS

Gluepot 2000. It is planned to have the next annual expedition at Gluepot, the former sheep station north of Waikerie, now owned by Birds Australia. Several projects are being considered, and the committee is about to go into an intensive planning phase. Duncan MacKenzie, a keen ornithologist, will be Chief Leader.

SEG at the Millenium. This seminar with committee and invited guests will help define the future directions of SEG and its activities, considering expeditions, membership, sponsors, and publicity. Ideas for discussion are welcome

SUMMARY

After 15 years SEG is still performing strongly thanks to its hard working committee, volunteers and sponsors. The future program includes Expedition Gluepot, ongoing Gammon Ranges activities and the Planning Seminar.

Richard Willing
CHAIRMAN

Environment Expo 1999

SEG will be at the Environment Expo 22-24 October 1999. This year the Expo will be held at the grounds of the Urrbrae Agricultural High School Fullarton Road Urrbrae.

Following our successful appearance at the 1998 Expo at Seymour College where we made important contacts with schools, colleges, interested individuals and government agencies, SEG will again be represented with its informative exhibit on details of its current and future projects, and the benefits of membership.

Why not come along and bring the family! We would love you to give us a hand and stay awhile at our exhibit and relieve some of our committee members. If interested in helping please contact Graeme Oats on 8278 8022 (work) or 8278 3179 (home).

SEG ONGOING PROGRAMME

The Scientific Expedition Group (SEG) welcomes enquiries from all members and friends who are interested in participating in one or more of our projects or expeditions. Please contact the leader or convener of the project or expedition that interests you for more information.

We welcome enquiries from anyone from 16 - 60 years (or more) who would like to participate in our scientific, environmental and educational projects.

CURRENT RECURRING PROJECTS

Gammon Ranges Scientific Project (GRaSP) is now in its eleventh year. The project involves a four or five day trip to the Gammon Ranges about four or five times a year. A data collection project involving flora and fauna and rainfall gauging which also involves bush camping and trekking. Contact Chris Wright 8278 8818

GAMMON RANGES SCIENTIFIC PROJECT

For any of these contact Chris Wright 8278 8818

2nd to 5th October 1999 Hydrographic and scientific trip. Leader - Graham Blair

FUTURE EXPEDITIONS

Y2K - GLUEPOT STATION - this property recently acquired by Birds Australia will be the venue for our 2000 expedition. It is situated north of Wakerie and adjacent to the Bookmark Biosphere Region. Dates will be confirmed later. Enquiries from potential leaders and expeditioners are welcome.

PROGRAMMES OF OTHER SOCIETIES

ROYAL GEOGRAPHICAL SOCIETY OF SOUTH AUSTRALIA INC

All meetings are held in the State Library Lecture Theatre, Institute Building, corner North Terrace & Kintore Avenue, Adelaide, beginning at 5.30 pm

Thursday 16 September
5.30 pm Rangelands pastoralism & the environment - towards a sustainable future
Greg Campbell

Thursday 21 October
7.30 pm Oceanographic research - the work of the National Tidal Facility

Thursday 18 November
6 pm The Mawson Lakes venture - a site visit

FIELD GEOLOGY CLUB OF SA (INC)

Tuesday 14 October
Great Australian Bight - the Nullabor Cliffs of Yesterday

Tuesday 31 October
Excursion to Anstey Hill Recreation Park

GLUEPOT RESERVE VOLUNTEER RANGERS

There is a unique opportunity to become involved in the operation and establishment of this important community run conservation reserve and to experience a very special environment. Birds Australia Gluepot Reserve is looking for expressions of interest from people who would like to become Volunteer Rangers at the Reserve, 64 km north of Waikerie in SA's Riverland district.

Volunteer Rangers are required to undertake a small number of key maintenance tasks and a variety of optional jobs. Couples are welcome to apply. The position is booked to the end of 1999 due to strong demand, but expressions of interest for 2000 onwards will be most welcome. Ideally, Rangers should be prepared to stay for two months or more and preference will be given to those who are comfortable in the bush, able to communicate with the public and have a strong natural history interest – opportunities are available to assist on research programs. Accommodation is provided as well as a food allowance and 4WD for use on Reserve business.

If you are interested, please obtain details and a copy of the duty statement from Duncan MacKenzie, 4 Edinburgh Avenue, Stonyfell SA 5066, Phone: (08) 8332 1204 Fax: (08) 8364 5527, E-mail: dmackenzie@iname.com. Applicants need to supply details of relevant experience, time of availability and a referee's phone number.

KIDS CORNER

This time we are looking for names of rocks. Do you know where they all are? Do you know what they all are? The words listed are arranged in every direction in the letter square below.

S	L	A	T	E	D	E	N	O	T	S	E	M	I	L
P	U	M	I	C	E	D	O	L	O	M	I	T	E	O
I	R	O	N	S	T	O	N	E	Y	H	P	S	M	A
J	T	T	B	Z	I	Q	V	T	G	M	N	H	A	N
C	T	G	L	D	B	G	Z	H	S	L	U	A	R	T
U	J	W	F	L	I	N	T	P	R	I	X	L	B	H
B	A	S	A	L	T	O	D	T	V	I	H	E	L	R
O	E	T	A	R	E	M	O	L	G	N	O	C	E	A
P	Q	U	A	R	T	Z	I	T	E	K	R	M	S	C
D	P	B	G	P	Y	U	F	G	N	E	I	S	S	I
D	V	E	F	G	R	A	N	I	T	E	D	V	D	T
K	P	E	A	T	S	A	N	D	S	T	O	N	E	E
B	I	O	D	D	M	U	D	S	T	O	N	E	W	S
C	I	S	O	B	S	I	D	I	A	N	W	P	U	T
A	K	R	L	S	E	R	P	E	N	T	I	N	E	C

ANTHRACITE	MUDSTONE
BASALT	OBSIDIAN
CONGLOMERATE	PEAT
DOLOMITE	PUMICE
FLINT	QUARTZITE
GNEISS	SANDSTONE
GRANITE	SCHIST
IRONSTONE	SERPENTINE
LIMESTONE	SHALE
MARBLE	SLATE

SCIENTIFIC EXPEDITION GROUP

The Scientific Expedition Group came into being at a public meeting on 21st August 1984. Membership is open to any persons, family or organisation interested in the following aims:

- The promotion and running of expeditions of a scientific, cultural and adventurous nature.
- The furthering of knowledge, understanding and appreciation of the natural environment.
- Promotion of the values and philosophy of wilderness.
- Enabling people to learn the skills required for planning and running expeditions, and to develop sound field techniques.

Members will receive regular information on S. E. G. activities and expeditions

APPLICATION FOR MEMBERSHIP AND MEMBERSHIP RENEWAL

Please tick where applicable.

- | | | |
|---------------------------------------|--------------------------|---------|
| Working adult member | <input type="checkbox"/> | \$15.00 |
| Pensioner student or unemployed | <input type="checkbox"/> | \$10.00 |
| Family membership | <input type="checkbox"/> | \$20.00 |
| Organisation membership | <input type="checkbox"/> | \$20.00 |

Membership name.
(Family name) (Given names)

Address
(No / Street name)
.....
(Suburb / Town) (Post Code)

Telephone (H) (W)

Details of scientific, cultural, adventuring or other relevant skill or interests you may be prepared to share with the group:

.....
.....
.....
.....

Applications should be addressed to : The Hon. Secretary
Scientific Expedition Group Inc.
P.O. Box 501
Unley S.A. 5061