



# SEGMENTS

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## ANNUAL GENERAL MEETING CHAIRMAN'S REPORT

This has been a busy year for the Scientific Expedition Group as it completes its 18th year of operation. This report focuses on: SEG's contribution to Encounter 2002; a message from Lisette Flinders-Petrie; the Gammon Ranges Scientific Project; the Minnowarra Biodiversity Survey; Segments; next month's Expedition Munyaroo; other future events; and the sterling work of the committee. I would also like to welcome Dr Laurie Haegi, our guest speaker, who has fascinating insights into the botanical specimens collected 200 years ago.

### ENCOUNTER 2002

The first European ascent of Mt Brown, in the central Flinders Ranges near Pt Augusta, was in 1802. Matthew Flinders had sailed as far north along Spencer Gulf as he could. He sent a party ashore led by Robert Brown to collect botanical specimens and climb the mountain to see what lay beyond.

When we were considering future projects a couple of years ago a suggestion from Graeme Oats eventually resulted in SEG being responsible for the re-enactment of the ascent of Mt Brown. This took months of planning and many hours of Graeme's time and energy, but it was a tremendous success, a small party landing from a tall ship before

dawn, crossing the samphire flats and ascending the mountain. A more detailed report will follow this address.

The guests of honour of Encounter 2002 were Lisette Flinders-Petrie, Capt. Flinders' great-grand-daughter, and her daughter Rachel Lewis, who joined parts of the walk and made it to the summit. Others who made it to the summit were: Warren Bonython, from the bottom of the mountain; members of the Royal Geographic Society (SA branch), from the north after opening the new lookout on the summit earlier in the day; several land-holders; and Gwen and I, who made it with Rachel from the saddle below the summit. There was quite a crowd on the top.

Encounter 2002 ended with celebrations at Victor Harbor a month later. Lisette and Rachel stayed with us on the farm, and planted an Australian teak tree, *Flindersia australis*, which I hope will have a growth spurt during the coming spring. I will now read a message that Lisette has sent to this meeting.

### GAMMON RANGES SCIENTIFIC EXPEDITION

Under Chris Wright's unflagging leadership the GRASP expeditions successfully continue their regular trips, usually four each year. As well as the usual rainfall records from the

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UNLEY SA 5061

pluviometers, the botanical and animal surveys each trip take quite a long time. This year extra work on yellow-footed rock wallabies has been undertaken. A more detailed report will be presented.

#### SEGMENTS

Alun Thomas, our friendly vice-chairman, is also editor of SEGments. He has overcome various obstacles to publish four journals this year, covering SEG activities and a variety of interesting topics. Articles for SEGments are always welcome.

#### MINNAWARRA BIODIVERSITY SURVEYS

Spring and autumn surveys have been held since the last AGM. Flooding of the permanent pitfall traps led to postponement of the Spring survey for a month, causing disruption to experts and expeditioners, so there were only a few starters, but in Autumn, a good response saw about 20 people involved. The surveys are conducted in high quality native scrub on the Fleurieu Peninsula. As usual, the mammals captured were Bush rats, Swamp rats and Yellow-footed antechinus. There was an increase in house mice, which are usually scarce in these surveys. 53 species of birds were counted, but insects were not plentiful due to the cold weather.

#### EXPEDITION MUNYAROO

This expedition to Eyre Peninsula leaves in 3 weeks, and will conduct a biodiversity survey in Munyaroo Conservation Park, including mammal trapping, insects, reptiles and a grid survey for mallee fowl nests. The adventure phase will be

bushwalking in the Middleback Ranges. David King is Chief Leader, and Peter Bailey is coordinating the scientific work. Scientists from the SA Museum and NPWS will be involved.

#### FUTURE EVENTS

An expedition to Witjira National Park is being considered. This park, on the West side of the Simpson Desert contains Dalhousie Springs, and an overgrowth of date palms, which have become feral since planting early last century. There may be an opportunity for SEG to be involved in the biological survey and monitoring that will be involved.

After years of discussion it looks as though SEG may soon have its own web site. Watch this space.

#### THE COMMITTEE

Each year I stress the hard work of the committee, whose valuable contributions keep SEG running. The lion's share this year has been borne by Graeme Oats, whose tireless organization has brought about a successful ascent of Mt Brown, the fulfilment of the Munyaroo trip, the pursuit of equitable insurance arrangements, and the maintenance of SEG finances, including GST. I thank also Chris Wright who has kept the Gammon Ranges survey running for almost 15 years; John Love, our Secretary, who keeps our feet on the ground when our heads are in the clouds; Warren Bonython for his ongoing commitment; Duncan MacKenzie for helping keep the Minnowarra survey going; Alun Thomas for SEGments; Trent Porter,

Peter Bailey and David King for an enormous effort to get Munyaroo up and running; and John Hayes, Phil Cole, Paul Wainwright, Bob Major and Sarah Telfer for general support. Peter Newbery was on the committee for some months, but has transferred interstate. I am glad to say that most of these people have renominated, so SEG is in very good hands. I was prepared to relinquish the chairmanship at this meeting, but with so much happening at the moment, have agreed to hang on for another year.

#### SUMMARY

SEG has had a busy and productive year. The outlook for the future is good, so long as we have the support of the willing workers and sponsors that we have at the moment. A volunteer organization is only as strong as its volunteers. We are always looking for a bit of extra help. If you think that you can be of use please contact one of the committee.

We are also starting to send communications via email, and would like to have many more members' email addresses. Could you please write yours down and give to Alun Thomas.

In conclusion, I would like to invite discussion from members of the audience about future expedition venues. We are always looking for new ideas.

Richard Willing  
Chairman, Scientific Expedition Group



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## A Few Oxymorons to Consider

Government Organization  
Military Intelligence  
Alone Together  
Personal Computer  
Silent Scream  
Living Dead  
Same Difference  
Taped Live  
Plastic Glasses  
Tight Slacks  
Peace Force

Pretty Ugly  
Head Butt  
Working Vacation  
Tax Return  
Virtual Reality  
Dodge Ram  
Work Party  
Jumbo Shrimp  
Healthy Tan  
Microsoft Works

# GAMMON RANGES DATA RECOVERY TRIP

## OCTOBER 2002

Dates: Wednesday 23rd to  
Sunday 27th October 2002

Leaders: Chris Wright  
Graham Blair

Expeditioners:  
Alasdair Wright  
Martin Purvins  
Phil Davies  
Josh Davies  
Lenin Garrido  
Trish Williams  
Kym Teoh

Description of the  
expedition:

The group was diverse, we had Graham Blair, myself, Alasdair Wright and Trish Williams who had been on previous trips. Kym Teoh, an engineer from Malaysia, now with DWLBC, Phil Davies and his son Josh and a friend Leni (both 14/15 years old), and Martin Purvins, recently returned from Antarctica, and now working for the Bureau of Meteorology. (9 people in all)

On the journey north, we swapped places at each stopping spot, so by the time we got to Arcoona, everyone knew everyone. A brief stop at Clare Bakery (closed) was brightened up when we were invited to join a free barbecue which had been put on by the local radio station. That was a bonus and set us off in good spirits.

On arrival at Arcoona, four

of us loaded up with 20 Litres of water each, and headed up the Creek to do a water drop at Vandenberg, and then back to the vehicles. This took just over 4 hours there and back, and the last half hour was in complete darkness, because the moon did not get up until much later. All was well however, and during that afternoon, Graham had visited the Pluviometer and Streamgauge sites to collect data and do a service/calibration. It is worth noting that for a group as large as ours, travelling at 90-100 kph, it is really difficult to get to Arcoona Creek before 3:00 pm

On Thursday morning, everyone loaded up packs. Graham took a group of 4 with him to Arcoona South to check and calibrate the pluviometer, and did the fox baiting. The rest of us took the direct track up to Wild Ass Creek and on to Vandenberg Camp, arriving about 13:00. Several of the newcomers found the last half hour or so fairly difficult, but all arrived safely. In the afternoon we walked up past Grandfield waterhole (bone dry) and did the photo points on the west slopes of North Tusk. Josh's boots started to fall apart, a major worry because he was a long way from home. The boots were fixed by Graham, using thin wire and a needle to hold them together, Phil worked on

them too by the light of a torch that night.

Friday morning Graham, Chris and Alasdair walked up to the Sambot pluviometer at first light and spent 3 hours doing a calibration. Managed to reduce the error from 12% to just under 5%. Back to camp where we had a surprise, Phil had almost trodden on a python, close by the camp. It was between 1.5 and 2 metres in length, not quite large enough to enfold Kym Teoh in its coils, despite his camping spot being only 10 metres away. Peter Bird says that it would have been a carpet python, but we didn't see the carpet! The snake was very tame and stayed around for ages while all the party looked at it and took photos. We then set off for the plateau via North Tusk. All the group was in good shape and Josh's boots held up well. Phil Davies tried out his mobile phone (CDMA network), and found he was able to call home in Adelaide! Signal strength was low, but the line seemed good.

We walked on to the Plateau, and Graham serviced the pluviometer, while the rest of us collapsed in the shade of a couple of Callitris and had lunch. We completed the photo point and human impact photography and returned to North Tusk. Graham took

a group of 6 down the creek line south of North Tusk and along the creek via Grandfield. Alasdair, Chris and Martin crossed over North Tusk and continued to the west slopes photo point, and took photos. All were back in camp by about 5:30 pm. After dinner that night, Alasdair produced a birthday cake complete with Walnut icing and candles for one of the party, a great surprise and another first for the Gammons? There was also a half bottle of Clare Valley red, I can't remember the detail.

Saturday morning we cleared up the camp, did the photographs and headed back to the vehicles, no particular hurry, and the day was fine and quite cool. We arrived back at the vehicles

around 1:30 pm. Later Chris led a wallaby-watch group up Wallaby Creek and down Evasive creek, and saw about 8 Euros and a single Yellow Footed Rock Wallaby. Dinner that night was memorable, particularly because of the supply of no less than 3 sweets, fruit cake, Plum Pudding, custard and cream, and cheesecake made by Alasdair. We finished the last of a 2-litre cask of port.

Sunday morning, daylight saving started and we started, at 5:30 summer time, which would have been 4:30 the day before! Chris, Phil, Josh, Leni and Kym set off for a dawn Wallaby Watch. We saw a few Euros, and spent 10 minutes on the small summit just south of the saddle. Phil found that his CDMA phone again would pick up the network and he

talked briefly to home. On the way down we saw a wallaby, close to where the group had seen one the night before, near the outfall from Evasive Creek.

We set off for home just after 10:00 am, and the journey passed without incident. We travelled each way by Clare, Jamestown, Orroroo and Hawker. Note that the road from Orroroo to Hawker is now sealed for the whole distance, an easy drive with very little traffic. Note also that a café has opened up in Orroroo, rather like the Quandong Café in Quorn, and was a good spot to stop in.



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## South Australian Museum Visit

Officers of the SA Museum who participated in SEG's Gluepot 2000 and Munyaroo 2002 Expeditions will show SEG members the new Public Access areas of the Natural Science Building and will escort members behind the scenes to view the vertebrate and invertebrate collections including specimens collected on those two expeditions on

**Tuesday 11 March 2003 @ 6pm.**

Places are limited to 30 and if you are interested in attending then you must contact SEG Treasurer, Graeme Oats either by email, [oatsgd@senet.com.au](mailto:oatsgd@senet.com.au) or by telephone 8278 3179 to register your interest.

We expect that demand will be strong and so the first 30 people to register with Graeme will be given priority. A waiting list will be established should any of the first 30 need to cancel. It is expected that if demand is strong then a second visit will be organised later.

To register you must be a financial member of SEG for 2002/3, and you will need to supply your name and contact details (email or telephone) so that we can confirm your registration and give you details of where to meet.

It is expected that the tour of the exhibits will take up to two hours, with attendees being split into several groups. Light refreshments will be provided by the SA Museum.

# MUNYAROO EXPEDITION

## SUNDAY 25/9/02 TO FRIDAY 4/10/02

### DAVID KING A.M. CHIEF LEADER.

A convoy of John Morley's truck and six four wheel drive vehicles departed from the Victor Richardson Gates at the Adelaide Oval at 0630hrs on Sunday the 25th of September 2002 for an Expedition to the MUNYAROO CONSERVATION PARK which is on the coast midway between Whyalla and Cowell.

The park of 123 square km was proclaimed in 1977 with the purpose of conserving mallee and saltbush associations on the boundary between agricultural and pastoral areas in conjunction with mangrove and samphire communities along the coastal fringe.



fact the combination worked very well as it allowed for an intimate exchange of information and the four students from Flinders University who were in the first

park over an eight day period. Groups of four expeditioners were allotted to each of the following groups on a rotational basis for the first four days and then on an individual choice for the last four days.

- (a) PLANT ASSOCIATIONS - Darrell Kraehenbuehl
- (b) SMALL GROUND DWELLING VERTEBRATE FAUNA IN DIFFERENT HABITATS USING PITFALLS - Loraine Jansen , Cath Kemper.
- (c) INVERTEBRATE ASSOCIATIONS WITH VEGETATION - Peter Bailey, Jan Forrest, David Hirst.
- (d) BIRD SURVEY - Trevor Cox,



There were a total of 27 expeditioners, 14 being novices and 13 being Knowledgeable Persons as there was a strong contingent from the Adelaide Museum in addition to the SEG leaders. At first impression that would appear to be top heavy in Knowledgeable Persons but in

year of a B.Sc.-Biodiversity and Conservation degree course were exposed to an experience which will be invaluable for the remainder of their lives.

Peter Bailey was the Chief Scientific Officer and in co-operation with the museum staff a programme was designed to study two separate areas of the

Graham Carpenter  
There was a dilapidated implement shed which was "renovated" by Trent Porter and John Morley and this provided a base for recording the collected scientific data and also an area for food storage and preparation of meals.

Trent Porter played a very important and extremely competent role as adjutant and quartermaster. The meals prepared by the four groups on a rotating basis were of excellent quality and quantity despite not being prepared exactly "according to the book" on several occasions. The weather was particularly kind for camping apart from the prevailing intermittent blustery westerly winds. It is interesting to note that the original inhabitants referred to this area as "wangaraleednie" or land of the west wind

All of the scientific groups were pleased with the opportunity to survey this area as it has not been seriously surveyed in the past and it had not been used as a pastoral property for 15 years.

Darrell Kraehenbuehl added

specimens are of significant scientific interest.

Peter Bailey, Jan Forrest and David Hirst from the invertebrate group have hundreds of specimens which will be definitely catalogued as Peter is insistent that the scientific records of the survey will be of the highest standard and will be prepared for publication in the first six months of 2003.

For the bird enthusiast, there was an exceptional opportunity to walk slowly through the scrub with either Graham Carpenter from the museum or Trevor Cox from Pt Neil who has significant local knowledge of the bird life in Munyaroo Park

The ADVENTURE PHASE of the trip was led by Ray Hickman who hiked along the eastern slopes of the Middleback Ranges with Trent

also provided an extra tankful of water as it is necessary to cart all water into the park for all purposes. Thanks should be recorded to the organising committee and in particular to Graeme Oats who was convenor, Peter Bailey who prepared the Manual for the Expedition, Trent Porter for thousands of reasons and the whole expedition would have been logistically difficult without John Morley's experience and his truck.

Further scientific reports of this successful and enjoyable expedition will be available next year and the committee considers that Munyaroo warrants further biodiversity surveys.

The expeditioners were very grateful to ONE STEEL WHYALLA who donated \$1,000 to the



Ray Hickman (Walk leader) Kevin Burrett and Trent Porter on the Adventure Phase

another 100 botanical species to the data which had been provided by Kingsley Turner.

Loraine Jansen and Cath Kemper worked tirelessly at the benches identifying the specimens collected each morning and night plus instructing the students in the recording of data. Early information indicates that some of the

Porter and Kevin Burrett, travelling from south to north. The final night was spent at the shearer's quarters on Middleback Station where they joined six expeditioners who had been based there after the Munyaroo phase of the trip was completed.

Richard and Gwen Willing attended for three days and they

expedition and this enabled the survey to proceed. There will be long term benefits to the conservation of the park and also the students experience will be invaluable.



# SEG WEBSITE

Alun Thomas - Editor

<http://www.communitywebs.org/scientificexpeditiongroup>

As foreshadowed in the last edition of SEGments we have now got our website up and running and available for members and others to browse. The URL address is as shown above.

The website includes pages on:

**Aims & Membership**  
**Expeditions**  
**On-Going Projects**  
**Publications**  
**Committee**  
**Links**

Many of the pages will be up-dated as projects are organised. If you want to go on the next GRaSP trip, find out who is leading it and who to contact, the GRaSP page on the On-Going Projects page is your source.

When will the next Minnowarra Project be held?

It is all there.

Some of the pages include photographs from the various expeditions and projects. If you have any photographs you would like to be placed on the website please send them to the Editor with a suitable caption and I will endeavour to add them.

On the Publications page you can read and download the last three years of SEGments.

Scientific Reports of some of the expeditions will be posted as they become available. Expedition Handbooks will also be provided.

If you are going on a GRaSP trip you can read the Expedition Manual and the Minimum Impact Camping Guidelines.

If you want to make a tax deductible donation to the Scientific Expedition Foundation you can find the donation form on the Aims & Membership page.

In the future we hope to add a Comments and Requests page so that you can send requests to the committee giving comments and asking questions about particular projects.

The Links page is provided to enable members to link to like minded groups. If you think we should provide a link to a particular site please send information to me to enable me to add it.

As we are new to the game of providing information via the Internet any feedback from members will be greatly appreciated. It is your website and the information you need should be available in the site.

Our thanks go to Simon Bass, a student of the University of South Australia, in 'Electronic Publishing on the Internet' who has prepared the site as part of his coursework. It has been a pleasure working with him.



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## EXPEDITION WITJIRA 2003 JULY 2003

SEG is planning an expedition to Witjira Conservation Park in July 2003. This remote area is on the western side of Simpson Desert and includes the Dalhousie mound springs and ruins of the old Dalhousie homestead, founded in the latter part of the 19th century. The early settlers distributed seeds of date palms around the numerous mound springs. These have flourished, and many of the springs are now crowded with palms that have become feral, as happens so often with introduced species.

There are several aims of the expedition including mapping date palms around mound springs, monitoring of springs water chemically and biologically, vegetation surveys along drains and mammal surveys including looking for signs of the rare kowari ( a marsupial rat found sparsely in SW Queensland.) From the date palm survey NPWS hopes to develop a management plan for control of these feral plants.

Witjira is managed jointly by traditional owners and National Parks and Wildlife Service. Representatives of various groups will be involved, and consultation with them is under way to refine details of the expedition.

Because of the distance and remoteness involved this will be a more expensive expedition than usual, the final cost depending on how much sponsorship is obtained. Watch for further details in the New Year, but if you are interested, contact SEG to be included on a mailing list.

## TOTALLY ECLIPSED Graeme Oats

It is 2pm on 4 December 2002 and we are 14kms south of Andamooka and about 13kms north of the Centre Line of the total eclipse. Waiting for the event of the year, nothing could stop it from happening barring the end of the earth.

On Tuesday 3rd December, Richard Willing, John Love (SEG Chairman & Secretary respectively) and Anne Crawford (Munyaroo expeditioner) and I left Adelaide in 2 vehicles meeting at Mambray Creek for an overnight stop, before proceeding further north to witness the only total eclipse since October 1976. For most, a once in a lifetime opportunity, the next occurring in SA in 2030.

Several weeks prior to the event Richard had placed on the SEG November Committee meeting an agenda item - Total Eclipse. John & I leapt at the opportunity.

The Stuart Highway and Woomera - Roxby Downs Road looked good prospects, so did the 4WD track south of Kingoonya between Lakes Everard and Gardiner. The latter taking our interest as we thought that a trip back via the Gawler Ranges sounded great.

On the night of 25 November a meeting took place of SEG's Witjira 2003 Expedition Steering Committee. Travis Gotch (an expeditioner from Gammons 1996) had been invited to attend, as he was interested in Wolf Spiders at Mound Springs for his PhD project. Travis had taken on a temporary job based at Andamooka for 3 months commencing on 2 December - how convenient! Geoff Axford (NPWS - Pt Augusta) had been communicating with Richard about the NPWS involvement in Witjira; he also could be in Roxby Downs on 5 December. This was turning out to be "too good to be true" stuff. So our eclipse viewing was to be somewhere near Roxby or Andamooka.

Island Lagoon just before Pimba was brilliant in the morning sun, sparkling white and extending for kilometres. The traffic on the road between Woomera and Roxby was beginning to build up as we neared the Centre Line of Totality. We noticed fenced off areas with no parking signs and so we pushed on to Roxby and then to Andamooka locating Travis' new home. A quick visit and a tour of his abode and we headed south on the old Andamooka main road. Our intentions were to head for a hill marked on the map on the Centre Line of Totality, however, we were anxious to find a spot which was elevated above the surrounding plains. Sand ridges running roughly east-west were an obvious choice except they generally had low scrub and pine outcrops. We settled for the spot I mentioned in the opening paragraph.

We all roamed the surrounding sand dunes and plains staking out our territory like some predating animal for our "own" spot for the evening's light spectacular. Anne & Richard were not taking photographs, whilst John & I busied ourselves with our little photographic projects. Mine was a complete fizzer. John's consisted of an, "Australia Post" dark room box with a lens attached to reflect the sun's image on the rear of the box, his camera peering in through a peephole, both mounted on separate tripods (which had to be partly buried in the sand to avoid being blown over by the strong Sou-westerlies).

The traffic passing our outpost had been sparse until around 5pm, then slowly but surely more and more vehicles arrived and were waved on, even a bus passed by around 6pm fully laden with eager "eclipsers". We lost count of the passing vehicles, but they must have numbered more than 50, some arriving only minutes before totality.

Richard and Anne had decided to move onto to the nearby sand dune to watch the moon's shadow sweep across the landscape at a startling speed - somewhere around 23,000km per hour.

John had his back to the sun/moon peering through the camera lens, I was busy peeping through the controversial "solar glasses".

The moon's shadow started moving across the sun from the lower left quadrant (right on time) around 6.37pm, slowly at first then as the time neared 7.30pm it seemed to quicken and the light becoming an eerie blue black, not the usual golden hues associated with a sunset. It was quite late in the eclipse that we noticed any appreciable darkness, I suppose only in the last 2-3 minutes before totality was it really darkening. The first few seconds of totality I found myself still looking through the solar glasses.

I heard shouts of amazement from on top of the sand dune, Richard was flabbergasted at the sight of the racing shadow, and I quickly dropped my solar glasses and witnessed the totality with the naked eye. Wow, what an incredible spectacle. The moon completely covered the sun, with only the sun's rim shining around the moon. Although the totality lasted for only a few seconds, I will never forget that split second that the moon started to move away from the sun and the brilliant, sparkling diamond effect.

Richard and Anne returned to the vehicles, John was still taking photos, the sun light returned within minutes, we had all seen something that will forever be indelibly etched in our minds. Richard uncorked a bottle of champagne; we drank a toast to something, probably to the great moment in time and to each other's health.

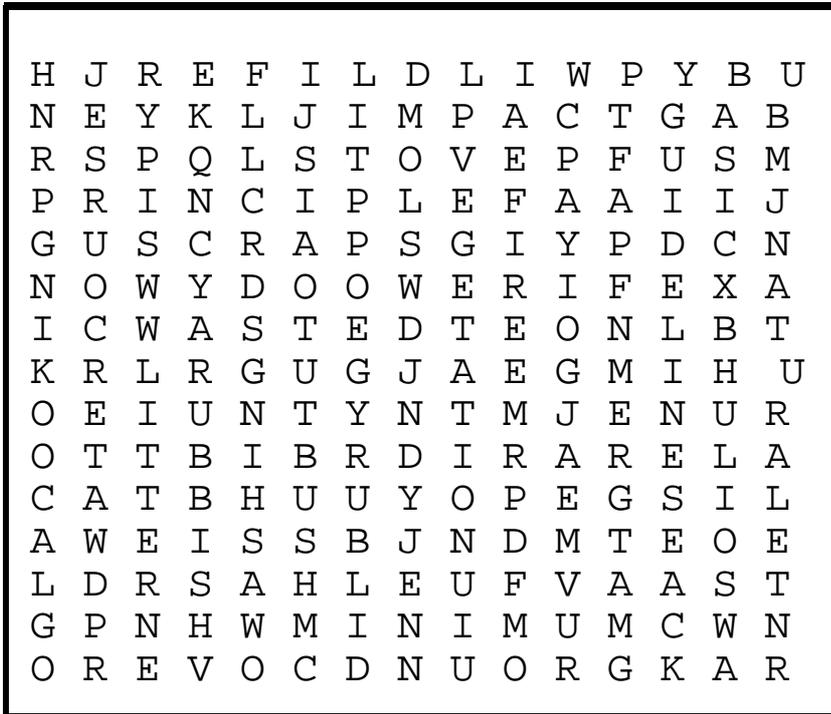
The exuberance slowly died down as the partially eclipsed sun dropped below the horizon. As we packed up our gear I think we all had thoughts on how huge is the universe and how insignificant mankind is on this planet. The worlds, stars and suns will go on their way long after man has passed by.

We drove off into the darkness, this time with the normal golden and reddish hues of the setting sun. Travis had agreed that we could stay overnight on his back verandah.

Next morning John and Anne headed north to Marree to visit friends whilst Richard and I returned home. All very richly rewarded.

# KID'S CORNER

This edition's puzzle has words taken from the Minimum Impact Guidelines used for SEG expeditions hidden in all directions.



MINIMUM	WASTE
IMPACT	FIRE
GUIDELINES	LITTER
CAMPING	GROUNDCOVER
WILDLIFE	FIREWOOD
DAMAGE	RUBBISH
BASIC	WASHING
PRINCIPLE	BUSH
NATURAL	WATER
WATERCOURSE	BURY
VEGETATION	SCRAPS
SOIL	
FUEL	
STOVE	
COOKING	

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## EDITORIAL

This issue finalises another busy year for SEG. We have had the continuing GRaSP Project, two more surveys on Minnowarra, a successful Munyaroo Expedition and the completion of our Website.

GRaSP is now in its fifteenth year and what was originally proposed as a ten year project has continued to grow. There are plans to put more rainfall gauges to give an even better view of the ecosystem in that arid region and the non-rainfall parts of the project are taking up more time as the value of the type of work possible by regular surveys is realised by researchers.

It is far too early to have any meaningful results from the Minnowarra Project but it is heartening to see the range of animals recorded and the number of plants. The really useful results will come in several years when the heritage blocks, relieved of their grazing pressures start to reveal their secrets.

As you can see from the report in this issue the survey on Munyaroo was very successful and showed that there is much more useful work that can be done there. Our special thanks go to David King for his work in leading the expedition as well as to all the camp and scientific leaders or knowledgeable persons as they are to be known. We will plan another expedition as soon as possible.

Next year there will be a major expedition right into the Outback to Witjara National Park and in particular Dalhousie Springs. As plans progress details will be posted on our new Website.

The one outstanding thing for the year is the great work done by members and helpers. In the year after the Year of the Volunteer we can once again be grateful for the valuable work done in SEG by the many volunteers.

I wish seasons greeting to all of our readers.

Alun Thomas

## 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

### SUBSCRIPTIONS (Including GST)

Working adult member	-----	\$16.50
Pensioner student or unemployed	-----	\$11.00
Family membership	-----	\$22.00
Organisation membership	-----	\$22.00

### APPLICATION FOR MEMBERSHIP AND MEMBERSHIP RENEWAL

Name.....

Address.....

.....

Telephone (H)..... (W).....

Email .....

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



Patron: Her Excellency, the Honourable Marjorie Jackson-Nelson, AC, CVO, MBE,  
 Governor of South Australia



### COMMITTEE

		Phone	Fax	Email
President	C. Warren Bonython AO	8431 1363	8431 1363	
Chairman	Dr Richard Willing	8558 6381	8558 6212	willingr@comstech.com
		Mob 0408 807 517		
Vice-Chairman	Alun Thomas	8296 9453	8223 2588	alun@madderns.com.au
Hon. Secretary	John Love	8379 1172		jsp@senet.com.au
Hon. Treasurer	Graeme Oats	8278 3179	8278 5577	oatsgd@senet.com.au
Committee:	Phil Cole	8339 3201	83039555	pjcole@senet.com.au
	Duncan MacKenzie	8332 1204	8364 5527	dmackenzie@iname.com
	Christopher Wright	8278 8818	82785584	cpwright@senet.com.au
	Robert Major	8352 8949		
	Trent Porter	8278 9078		grevillia@ozemail.com.au
	John Hayes	8204 2870		hayes.john@sa.gov.sa.gov.au
Editor	Paul Wainwright	8359 2270		terranova@senet.com.au
	Alun Thomas	8296 9453	8223 2588	althomas6@bigpond.net.au
				Address: 23 Rutland Ave Brighton S.A. 5048

