



# SEGMENTS

Journal of the  
Scientific Expedition Group



## MINNAWARRA BIODIVERSITY PROJECT Spring Survey 11<sup>th</sup>-14<sup>th</sup> October 2007

Written by Richard Willing

Several factors combined to make this a difficult survey. The first was the need to postpone its start because much of the equipment was away on Expedition Scrubby Peak; this also reduced the number of volunteers available for setting up the sites and helping during the survey. As well, a cold snap at the beginning of the period reduced all reptile activity resulting in reduced numbers of captures.

The good news is that SEG has just been awarded an Australia Post Community Development Grant to purchase another set of Elliott traps that will overcome some of these problems in the future.

A small number of volunteers including the Furler and Willing families helped by John Lawson and new SEG members Nina Ziryanova and her son Kirill made it all happen. Mammals were identified and processed by Lorraine Jansen, Janet Furler and Richard Willing. At the time of writing Frances Taylor and Claire Gifford were about to conduct the bird survey. Bats were not surveyed this time. 18 volunteers contributed approx 220 voluntary hours.

### Weather

Thurs 11<sup>th</sup> October: 7-15, cool, calm, overcast, scattered showers

Fri 12<sup>th</sup>: 5-16, cool-cold, mod SW wind, cloudy, scattered showers

Sat 13<sup>th</sup>: 6-15, mod SW wind, isolated showers

Sun 14<sup>th</sup>: 8-20, cool-warm, fine, cloud clearing, light NW wind

A total of 90 small mammals were captured over the 4 days, amongst the lowest recorded during the 6 years of this long-term project. There were 64 captures of Bush Rats (*Rattus fuscipes*), 34 new animals including 5 recaptures from previous surveys, and 30 recaptures from this survey. Site 5 (creekside) was most prolific with 10 new and 6 recaptures. Of Swamp Rats (*R. lutreolus*) there were 8

new and 5 recaptures, half of these being at Site 4 (flat creekside).

Of *Antechinus* (*A. flavipes*) there were 9 new and 7 recaptures, the most prolific site being Site 9 (hill). As usual in spring all were females, several with 7-9 young in the pouch, and a couple of others with pouches recently vacated.

Only 2 skinks were seen – *Hemiergis sp* and Shingleback (*Tiliqua rugosa*). Only 5 Brown Froglets (*Crinia signifera*) were seen. 2 Grey shrike-thrushes (*Colluricincla harmonica*) were caught in cage traps at Sites 1 and 3, and there was significant fox disturbance of traps at Site 1 on days 3 and 4. Results of the bird survey will be available later as it has not yet been completed. Bats were not surveyed.

### Summary

The country is still doing it tough, with rainfall still well below average. Once again these continuing dry conditions have obviously contributed to a greatly diminished number of mammals captured, just more than half of those trapped in the last autumn survey. Cool weather minimized the number of reptiles found. Sincere thanks are due to all those who worked so hard to make this survey a success.

Tentative dates for the next Minnowarra survey are 24th-27th April 2008.

### Inside this Issue

Page	
1	Minnawarra Biodiversity Project
2	SEG Storage Shed
2	News from Government House
3	SEG Financial Statement from 2007 AGM
4	Expedition to Scrubby Peak 2007
6	Thala Dan - a lost ship found, then lost again
7	Community Lottery
7	Kids Corner
8	SEG Membership details

## SEG STORAGE SHED

*Written by Graeme Oats*

Over the years SEG has accumulated equipment that we use for our annual expeditions and biannual biodiversity survey at Minnowarra. We have purchased items such as a scientific tent, shelter tents, cage traps, Elliott traps and pitfall line buckets and food storage containers.

SEG has lots of kitchen equipment such as trestle tables, utensils, cooking pots and pans, three burner cooking tops and a myriad of other useful kitchen equipment all looking for a home.

The recent Scrubby Peak Expedition in the Gawler Ranges highlighted our need to not only buy more equipment to capably run our expedition and biodiversity surveys, but we need a central storage location.



**Before Renovation**

Through various contacts we have sourced an old wood & galvanised iron “backyard” shed in Blackwood, which is fairly handy to many of the SEG Committee.

In late October we secured the keys to the premises and most of the Committee attended a working bee to clean out years of possum debris and dust and left over bits and pieces of the previous occupier. The front fascia and barge boards needed replacement, an over hanging plum tree had a heavy pruning at the behest of Trent Porter’s chain saw and Bruce Gotch risked life and limb climbing onto the roof to saw off branches, and a few well placed nails has secured the roof against the severest storm – we hope!

Kevin Burrett was handy with the tomahawk, braking up sheets of old plywood along with other miscellaneous rotted timbers. There was a steady trek of debris being carted out onto the footpath waiting for the local council annual hard rubbish cleanup.

Chairman Alun Thomas & Duncan MacKenzie visited the local hardware store & returned with new capping iron and barge boards, Graeme Oats made a similar excursion to the local bakery returning with a bag of pies, pasties and drinks. All this took place over a period of about six hours sometimes in the rain. We inherited an extra 6 trestle tables from the previous occupier.

SEG now has a secure and weather proof home for its equipment which is in the process of being shifted from its temporary store at DEH Netley warehouse for which we are very grateful for DEH to have allowed us to use during both pre and post Scrubby Peak Expedition.

### **After Renovation**



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### **News from Government House**

#### **Governor is new SEG Patron ...**

It is with great pleasure that we have learned that His Excellency Rear-Admiral Kevin Scarce AO CSC RANR, Governor of South Australia has agreed to be Patron of the Scientific Expedition Group. This continues a long tradition of Vice-regal patronage for our group and we look forward to a warm association with our patron.

#### **..and a farewell from our former Patron**

Marjorie Jackson-Nelson AC CVO MBE, former Governor of South Australia and our former Patron writes: “It has been a privilege to have served as your Patron, and I wish your organisation continued success in its important work for the community.” SEG has sent best wishes to her on her retirement.

## SEG Financial Statement from 2007 AGM

### SCIENTIFIC EXPEDITION GROUP INC - OPERATING ACCOUNT STATEMENT OF RECEIPTS PAYMENTS TO 30 JUNE 2007

	<b>2005/06</b>		<b>2006/07</b>
<b>Receipts</b>			
Subscriptions (excl GST)	\$766.82		\$1,665.14
GST on subscriptions (to 31/12/06)	\$76.68		\$132.36
Bank Interest (General & GRaSP Accs)	\$25.36		\$23.05
Operating Acc - GST Refund	\$101.00		\$777.00
GRaSP - DRT fees excl GST	\$347.28		\$82.70
GST on GRaSP DRT Fees	\$34.72		\$0.00
GRaSP - GST Refund	\$32.00		\$0.00
GRaSP Grant (excl GST)	\$1,363.64		\$0.00
GST on GRaSP Grant	\$136.36		\$0.00
Moonabie Expeditioner Fee	\$250.00		\$0.00
Sale of Reports (Witjira)			\$55.00
Donations from members to SEF	\$23.50		\$22.50
Boolcoomatta Expdn - refund temp. adv & ins.			\$638.32
<b>TOTAL RECEIPTS (A)</b>		<b>\$3,157.36</b>	<b>\$3,396.07</b>
<b>PAYMENTS</b>			
SEGments (postage, printing)	\$366.00		\$286.00
(stationery - envelopes)	\$31.85	\$397.85	\$28.95
<b>Administrative Payments</b>			
AGM	\$64.35		\$0.00
PO Box rental	\$60.00		\$65.00
GST - Paid General Account	\$64.00		\$679.09
Insurance (Note 1)	\$229.40		\$1,066.70
Memberships (Note 2)	\$130.00		\$180.00
Stationery	\$0.00		\$34.95
Postage	\$22.00		\$55.00
Advance to Boolcoomatta Expdn Acc.	\$200.00		\$0.00
Bank Account Charges	\$1.80	\$771.55	\$2,080.74
<b>Miscellaneous Payments</b>			
GRaSP - Data Recov Trip Exps (incl sat ph hire)	\$66.00		\$939.17
GRaSP - GST payments	\$0.00		\$29.00
GRaSP Grant - Equipment Purchase & Refund	\$1,520.00		\$0.00
GRaSP - Pluviometer Replacement Costs	\$282.60		\$0.00
GST Refunds Paid to Expedn Accs	\$1.00		\$968.17
Tsfr to SEF (Member Donation)	\$23.50		\$22.50
Tsfr to Moonabie Expn Acc (Excl GST)	\$227.27		\$0.00
Misc Exps - Insu Seminar & Consultant fee			\$85.00
<b>TOTAL PAYMENTS (B)</b>		<b>\$3,289.77</b>	<b>\$3,471.36</b>
Excess Receipts over payments (A - B = C)		-\$132.41	-\$75.29
Add balance as at previous 1 July (D)		\$7,160.67	\$7,028.26
<b>BALANCE (C + D)</b>		<b>\$7,028.26</b>	<b>\$6,952.97</b>
<b>REPRESENTED BY</b>			
Cash at Bank (General Acc)	\$273.13		\$1,083.31
Cash at Bank - (GRaSP Acc)	\$4,155.13		\$3,269.66
Cash at Bank - Cash Management Acc	\$2,600.00		\$2,600.00
		<b>\$7,028.26</b>	<b>\$6,952.97</b>

GRAEME D OATS HON TREASURER

#### AUDITOR'S CERTIFICATE

I report that I have examined the records and the accounts of Scientific Expedition Group Inc. for the year ended 30 June 2007. In my opinion, the accompanying statement of Receipts & Payments are properly drawn up in accordance with the records and information produced to me, and so as to give a true and fair view of the state of the Group's affairs as at 30 June 2007.

Hon Auditor .....



20/6/07

#### Notes on Accompanying Receipts & Payments Statement

- Note 1 Insurance - payments made in Sep 06 for 3 mths to 31 Dec 06 and Dec 06 for 12 mths to 31 Dec 07  
 Note 2 Memberships - CCSA, Nature Fdn SA & Friends of Parks (latter for 3 years)

## **Expedition Scrubby Peak September 2007**

*Written by Bruce Gotch, Expedition Leader*

Expedition Scrubby Peak was the main expedition of the Scientific Expedition Group for 2007. This destination was chosen after discussions with the Department for Environment and Heritage (DEH) and resulted from a request to carry out a biodiversity survey of the area adjacent to Scrubby Peak within the Gawler Ranges National Park. The aim of the expedition was to gather information on the flora and fauna and to document human occupation within selected areas.

Expeditioners massed in the car park by the Rose Garden on Hackney Road at 5.30am. Sunday 16<sup>th</sup> September and were on the road by 6.00am. After a short comfort stop at Pt. Wakefield the group proceeded to Pt. Augusta where Chris and Don Lill (keen birdos from Renmark) were waiting for us. Lunch was obtained in Kimba and we arrived at the Kododo Campground in the mid afternoon. The remaining daylight hours (and some of the twilight hours) were utilised in the erection of tents for food preparation and cooking, food storage, scientific activities and personal accommodation. Long drops for ablutions were dug and the modified "thunder boxes" supplied by John Morley were set. An imaginative addition was to light the path to the dunnies with solar powered lights.

Introductions were made around the camp that night and the plan for the next fortnight was laid out. Leaders introduced themselves and gave a summary of what they expected to achieve in the coming fortnight.

NPWS rangers, Craig and Michael, delivered a tanker truck containing over 4,000 litres of water, which was more than enough for the fortnight. They also supplied two generators covering our electrical power needs. Petrol and diesel was supplied to cover our fuel requirements during the survey.

Volunteers were divided into small groups to assist leaders with their respective projects and these groups rotated daily through the various activities including cooking duties.

Monday was a very busy day with the set up 8 trap lines. Sites had been selected by John McDonald using land type and vegetation type as the main criteria. Lorraine, John Morley and myself led teams in the establishment of the trap lines.

Most sites required pitfall traps, Elliott traps, micro-pitfalls and cage traps. Near each site a photo point was established and a vegetation survey and bird survey were conducted.

During this first week opportunistic sightings included a pigmy possum found on the first day by Dion. A wedge tail eagle's nest containing two fledglings was sighted near the camp and became a daily point of interest to all. Graham Miller organised the mallee-fowl survey and varied the area covered to suite the physical abilities of his helpers so that all volunteers had the opportunity to participate. Jane Cooper passed on her vast knowledge of birds to her group. The birdo group was found to be too large for accurate survey so the group was split between Jane, Dion and the Lills who volunteered their skills.

John Love led a group to investigate early pastoral holdings in the area spending many idyllic days in the Pine Lodge area. And Annette Scanlon worked the night hours monitoring harp traps, mist nets and the electronic Anabat recorder at her various sites. Annette Vincent collected and sketched ants at the mammal trapping sites and seemed very content to study the various species whilst sketching both the ants and their habitat. On some evenings we had an exhibition of her latest works. And Russell set up his quadrats and settled into the time-consuming specimen sampling, identification, pressing and physical properties recording of the veg. sites.

Nightly around a small fire (weather permitting) was the time for the leaders and SEG members to share with the rest of us the interesting events that had occurred in their group during the day. It was also the time for the poets and spruikers to entertain us. The bards amongst us delivered renditions of well-known, sometimes obscure and sometimes spontaneously original verse.

Our President, Richard Willing and Treasurer, Graeme Oats joined us during the week but could only stay a couple of days before returning to Adelaide.

Wednesday of that first week was the occasion of the "Big Flood." Not everyone experienced the Big Flood because it was localised and was not all that big. Some people hadn't seen a drop of rain at all out on their worksites. But the 10-15mm of rain and hail that fell over about 30 minutes was

enough to flood the cooking tent and the food storage tent mainly due to the fact that these tents were pitched on the lowest ground around. Those that were in camp at the time quickly grabbed shovels and post hole diggers and managed to cut drainage trenches to divert the water to drainage holes. Quick action by these people enabled our food, which was in danger of becoming a soggy mass, to be raised above the flood level.



*Cleaning up after the Big Flood. Photo Bruce Gotch.*

A bus-load of Primary school students, teachers and parents camping in the Gawler Ranges visited one evening and several of our leaders carried out an impromptu “Show and Tell.” The information session explaining SEG’s aims and showing some of the results of the biodiversity survey was well received by the students. Local residents Hank and Denise from Wudinna and Peter and Annette from Minnipa also visited our camp. Graham Millers family, (partner Robin and son Murray), also joined us for several days and, with Robin’s local knowledge and her interest in the area’s flora and fauna, was able to assist us in our survey.

Traps were left open until Friday when again all hands were called upon to remove the trap lines and relocate them to the next 8 sites.

At the end of the first week it was time for John McDonald and Jane Cooper to return to Adelaide. John had selected all of the survey sites and photo sites and had assisted us greatly in understanding the DEH methodology in respect to the extensive vegetation survey. Jane’s willingness to pass on her knowledge and her cooperation with the SEG volunteers was greatly appreciated, working as she does in a field where minimum distraction and disturbance and timing are crucial to an accurate bird survey.

The second week continued in the same manner as the first week. At the Bluebush site (site 11), Lorraine gave a demonstration of snake catching without tools when a mulga snake opportunistically appeared. Weather conditions were variable; hot and dust storms, cool and overcast, strong winds and calm – we had it all. One evening we were exposed to a spectacular thunderstorm that caused us to hastily produce an emergency response plan for use should a lightning strike start a bushfire. We now had a little more time to do things other than digging holes, erecting fence lines, collecting flora and fauna specimens and delving into the past. Some took the opportunity to visit the Wudinna Show held on the Sunday. Others climbed high points such as Scrubby Peak or Cotton’s Knob whilst others visited features such as the Organ Pipes. Maintenance was carried out; universal joints were repaired, tray bodies re-attached and car battery supports remade. Trapping ended on Tuesday 25/9 when all trapping equipment was removed from the sites. The Morley Roller again greatly reduced the effort required to roll up the many metres of fence line.

Wednesday was a “relax” day and Graham Miller offered to lead us on a walk to some of his favourite spots. Passing by Yellow Foot Rock Wallaby trapping sites, we made our way to the base of a dry waterfall. Climbing out of this gully we traversed a plateau passing by a Mallee-fowl nest then on to a rest stop overlooking another magnificent dry waterfall. On leaving this site the group was entertained by an impromptu Snake Dance performed by Brian and an obliging snake. Brian, being in the middle of the group, was the only person able to entice the snake from its trioda resting place to join him in the complicated steps of the dance.



*Dry waterfall. Photo Bruce Gotch.*

On the Thursday, Graham again offered his services to lead us on a drive to the tourist

sites of Gawler Ranges National Park. Using a circuitous route we visited Stone Dam, Old Paney, Policeman's Point, Paney Homestead, Kolay Hut, Kolay Mirica Falls, a pair of graves belonging to father and son John and Patrick Bennett and then on to Conical Hill where Stuart relocated and resurrected an old photo site.



Stone Dam. Photo Bruce Gotch.

Friday was pack up day. As much gear as possible was disassembled and packed to enable an early start on Saturday. We departed Saturday morning about 10am and made our way back to Adelaide. Apart from the odd wrong turn and some mechanical problem with one of the vehicles, the trip home was uneventful.

Annette V. detoured via Poochera on her way home to try to locate a Dinosaur ant (*Nothomyrmecia macrops*) specimen and was successful in her search. Nick Birks delivered his collection of spiders to the SA museum and it is possible that there are some previously undescribed specimens in this collection.

A full report will be produced by SEG which will include a detailed list of mammals, reptiles, birds and vegetation recorded during the survey.

**THALA DAN – a lost ship found, then lost again**  
*Written by Richard Willing*

The histories of the Lauritzen Line “Dan” ships and the establishment and supply of Australian National Antarctic Research Expeditions (ANARE) antarctic and sub-antarctic bases are closely linked. The series of ships – *Kista Dan*, *Thala Dan*, *Magga Dan* and *Nella Dan* – were used routinely on the Denmark to Greenland runs, but sailed to Australia and Antarctica for the southern summer for more than 30 years.

*Kista Dan*, at 1250 tons the smallest of them, was used by ANARE from 1953-57 before being sold in 1967 and renamed *Martin Karlsen*, and later *Benjamin Bowring*. She was used around the Canadian Arctic and ended her days in a Turkish shipbreaker's yard in 1998. *Thala Dan* was built as a sister ship to *Kista Dan* and served ANARE during 1957-82. *Magga Dan* was used by ANARE during 1959-61. *Nella Dan*, was used by ANARE for 26 years (1962-87). Named after Nell Law, wife of the former Director of the Antarctic Division, she ran onto rocks in a storm and sank off Macquarie Island on Christmas Eve 1987.

In 1988 Lauritzen sold *Thala Dan* to the Brazilian Navy. Renamed *Baro de Teffe*, she was used as a hydrographic ship and lighthouse tender. She was sold to a ship-breaking company in Rio de Janeiro in 2003, where she was “found” again last November. Her break-up was due to commence early in 2007, but, temporarily, this has been put on hold pending a feasibility study of buying her to return her to Australia as a national treasure and possible polar museum ship. Peter Heyward, Ambassador to Brazil, has visited the shipyard to look at the forlorn ship and has sent a report and pictures about her.

News of the *Thala Dan* has prompted memories about travelling to and from Antarctica for the start of the International Geophysical Year. Our group departed Melbourne on a blustery December day on the *Kista Dan* and headed south-west to build Davis base before proceeding to Mawson where we stayed for a year. The Dan ships were reinforced ice-ships. They had a rounded hull and minimal keel, allowing them to ride up onto thin sea-ice and break it, and nudge through pack-ice. They rolled remarkably well. *Kista Dan* also had fo'c'sle accommodation for 12 of our group (that's the sharp end up front). In heavy seas the pitching produced forces greater than gravity that threw these poor guys out of their bunks onto the deck which eventually became a chaos of equipment, personal belongings, seawater and the odd vomit. All very unsavoury!

During one heavy storm the skipper had to proceed slow ahead so that the Beaver aircraft lashed on the fore-deck was not wiped off. In 2 days we travelled 50 miles backwards.

Imagine our delight next summer when we found out that the new ship *Thala Dan* was

coming to pick us up from Mawson. She was larger than *Kista*, with an extra deck, and mid-ship accommodation – such luxury! She sailed from Mawson with us aboard in March 1958 and headed north, first to Heard Island, which had been closed down 3 years earlier when Mawson base was established. Already the large elephant seals were damaging the huts simply by leaning their massive bulk against them.

Leaving Heard Island and heading north our next stop was the French base at Kerguelen at the bottom of the Indian Ocean. We were greeted enthusiastically and plied with Mumm's champagne and quality wines. Our schoolboy French became more and more fluent as the wine flowed. Our radio operators were particularly welcome as they had been talking with the Frenchmen on the "ham band" during the year. I can remember filling one of the doctor's teeth when we were both feeling no pain.

Leaving Kerguelen after fond farewells, and assisted by the roaring forties, we had a fast trip home to an Australia containing family, friends, summer heat, green grass - and females - that we had not seen for 15 months.

A few years ago a group of Antarctic veterans gathered in Hobart, now the centre of Australia's Antarctic operations, to celebrate 50 years of Australian Antarctic exploration. We were shown over the latest ship, *Aurora Australis*, used each summer to supply the bases. It is huge! There is just so much space, and it seemed to our distant memories that it would be just about possible to fit the little *Kista Dan* sideways across *Aurora's* bridge.

There is an enduring affection for the Dan ships. What a lovely thought if it was possible to preserve one for posterity. Watch this space!

*Addendum: Since writing this article news has come through that the asking price of 2 million dollars could not be raised. This means that poor old Thala Dan is probably being broken up right now. What a pity!*



*Thala Dan Photo Peter Heyward.*

### AUSTRALIAN CENTRAL CREDIT UNION (ACCU) COMMUNITY LOTTERY

Recently the ACCU announced that it will be operating a Community Lottery again in 2008. This is an opportunity for non-profit groups to apply for books of 10 tickets per book in the lottery. SEG has decided to apply for tickets.

Would members interested in selling the \$1.00 tickets please contact our Treasurer, Graeme Oats on 8278 3179 or via email – [gdoats@bigpond.net.au](mailto:gdoats@bigpond.net.au) and let him know how many books you would like.

The lottery commences in February 2008 and is open until June 2008. We ask that if you are interested to contact Graeme as soon as possible for your lottery books. By participating in this lottery SEG will get \$1.00 for every ticket sold.

### Kids Corner

The hidden words are taken from Boolcoomatta Expedition reports. The words are hidden in all directions. Can you find them all?

### Word List

eagle	Wudinna
dunnart	Mawson
reserve	shed
vegetation	birds
snake	specimen
mammals	walk

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



# SCIENTIFIC EXPEDITION GROUP - Membership

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 receive regular information on SEG activities and expeditions

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

### SEG COMMITTEE Office Bearers

President            Dr Richard Willing  
 Chairman           Alun Thomas  
 Vice-Chairman    John Hayes  
 Hon. Secretary    John Love  
 Hon. Treasurer    Graeme Oats

### SEGments Editors

Linda-Marie & Matthew McDowell  
 Ph. 8278 4795 (after hours)  
 Post contributions to: 5 Roseberry Ave. Eden Hills SA 5050  
 or e-mail [mcdowell.matt@saugov.sa.gov.au](mailto:mcdowell.matt@saugov.sa.gov.au)

**SEG WEBSITE** [www.communitywebs.org/scientificexpeditiongroup](http://www.communitywebs.org/scientificexpeditiongroup)

**SEG EMAIL ADDRESS** [segcomms@telstra.com](mailto:segcomms@telstra.com)

### SUBSCRIPTIONS (Including GST)

Working adult member ----- \$20.00  
 Pensioner student or unemployed ----- \$10.00  
 Family membership ----- \$25.00  
 Organisation membership ----- \$25.00

## APPLICATION FOR MEMBERSHIP AND MEMBERSHIP RENEWAL

Name .....

Address .....

.....

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

E-mail .....

Details of scientific, cultural, and 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