



THE
MINERALOGICAL SOCIETY
OF
NEW SOUTH WALES INC

C/o School of Natural Science
B.C.R.I. Parramatta Campus University of Western Sydney
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Website: www.minsocnsw.org.au

NEWSLETTER

SEPTEMBER 2013

The September Meeting will be held on Friday the 6th of September 2013 at 7.30 p.m. in the LZG14 lecture theatre on the ground floor of Building LZ in the Science campus of the University of Western Sydney on the corner of Victoria Road and James Ruse Drive in North Parramatta.

The program will include lectures to be given by John Chapman on : -

‘Types of Tin Deposits’

and by John Tottenham on : - **Pine Ridge Cassiterite.**

Members are asked to bring in specimens of tin minerals to help illustrate the lectures.

FORTHCOMING MEETINGS

Subject to circumstances some changes to the following schedule of program subjects and speakers may have to be made in due course.

October 11th: (The first Friday in October is before a long weekend and the Society Meeting will therefore be deferred to the second Friday).

There will be a lecture given by Professor Peter Williams on **Bronze Age Minerals and Metallurgy’**

November 1st: The program will be a **Member’s Display of Their Favourite Fluorites**, -
A discussion led by Gary Sutherland.

December 6th: **Annual Christmas Social and ‘Swap n’ Sell.**

2014: The Society does not hold General Meetings in January. The first Society Meeting in 2014 will be on February 7th. Meetings will be held on the first Friday of each month throughout the year except before the long weekends of June and October when it will be held on the second Friday.

February 7th 2014: Talks by Dieter Mylius and Noel Kennon on :-
‘Some British Mines & Minerals. Part I’

March 7th 2014: Lecture by George Stacey on
‘My Recollections of Mt Isa – The Mine in the Spinifex.’

April 4th 2014 Program to be confirmed but may include a lecture on
Skarn Type Mineral Deposits.

May 2nd 2014: **Member’s Mini-Auction**

June 13th 2014: (Second Friday of this month). Program to be confirmed. Lectures possibly on Ultra-Small Minerals and How We Can See Them; or ‘The History of Broken Hill’.

July 4th 2014: Talks by Gary Sutherland and John Rankin on :-
Some British Mines & Minerals: Part II.

THE ANNUAL GENERAL MEETING AUGUST 2nd 2013

The 2013 A.G.M. was held in the LZG14 lecture room at U.W.S. North Parramatta as scheduled and attended by over forty members comprising a quorum. The Meeting was opened by the Society President, Dieter Mylius.

Before the official business of the A.G.M. commenced there were a few announcements.

John Chapman advised that the projected **Field Trip** to Tambar Springs was on track to be held over Friday to Sunday the 20th to 22nd of September. He recommended that any members wishing to go on the trip should e-mail him as soon as possible so that he would know how many to book for accommodation.

Another field trip being planned was the previously-suggested **South Coast Geological Trip** to be led by Peter Williams to the Wollongong area taking in the Wollongong beach-front, the Kiama Blowhole and Bombo quarry. The trip would be entirely to view geologically-significant sites and areas with no collecting to be done. It had been scheduled twice before in previous years but thwarted due to bad weather and cancelled. It was hoped to hold it on Sunday the 17th of November and on this occasion the Society had been invited by Ken Mitchell to a barbecue at his house in Gerringong and to view his extensive and mostly self-collected mineral collection.

Graham Ogle announced that the next meeting of the **Micro-Mineral Group** would be held on Saturday the 17th of August at Wollongong. The members would first visit the University to view the exhibition collection in the GeoSciences Building and would then go to Noel Kennon’s house to look at halide micro-minerals.

With no further announcements the President moved to the official business of the Meeting and delivered his President's Report for 2012/2013. The following text of his report has been provided by Dieter Mylius.

MINERALOGICAL SOCIETY OF NSW

2012-2013 PRESIDENT'S REPORT

Good evening everyone,

Welcome to the 2013 Annual General Meeting of the Mineralogical Society of NSW Inc. If tonight's report sounds fairly similar to that of last year and the year before, there is a reason. What has to be said, and what I want to say, are very similar.

Thank you all for making the Mineralogical Society what it is – an interest group with the right mix of enthusiastic amateurs, passionate about their interest in minerals for whatever reason, and knowledgeable and generous professional and academic scientists willing and able to share their knowledge so well, that we all learn more about minerals, rocks and mining in NSW and beyond. I think the first Friday night of each month is always something to look forward to.

The Mineralogical Society remains in good shape, both in membership numbers with around 140 members including family members, and financially, which our treasurer, Graham Ogle will report on immediately after my report.

Attendances on Fridays have been good, with the peak, as in most years, being the Christmas sale and party in December. Excellent food and great value in minerals, how can you go wrong? However, there is always room for more members and visitors. The range of talks and presentations again was awesome, with something for everyone, and the number of specimens in the ever popular May auction was larger than ever. It will be on again next year, so start saving up.

On the June long weekend, it was the turn of the Mineralogical Society of NSW to organise and host the Joint Mineralogical Societies Seminar in June. I think we would all agree that this was a most successful weekend, with great talks, great conversations and catching up with people we do not often see, a really good dinner, minerals to exchange and buy, as well as a very successful micro mineral meeting, well attended visits to home collections and the bowels of the Australian Museum, and a field trip to Kulnura that was attended by over 30 people with representative form most states and NZ. A successful event such as this does not just happen – planning started about 2 years earlier. Thank you to you all, and especially the organising committee, for making it so good.

In addition to Kulnura, the other field trip during the year was to Airley Mountain and Mudgee, which I am told was quite a social event (unfortunately I could not attend).

Last year it was a joy to announce that Arthur Roffey was appointed as a life member of the Mineralogical Society of NSW. For those of you not able to attend the June Seminar, we were also excited to learn that Arthur has now also been awarded a Medal of the Order of Australia for service to lapidary and mineralogy.

The micro mineral group continues on, convened by Graham Ogle, meeting every other month or so in various people's homes to look at those tiny examples of mineral perfection and the crystal kingdom. It's a chance to see things not available in hand specimen, sometimes very rare and often exceedingly beautiful. You don't have to own a microscope, we'll share. Everyone is welcome.

I'd like to thank the members of the outgoing committee for the work that has been done this year and indeed the last few years. Most of us have been on the committee for many years, but, as I said last year, I suspect we enjoy it. While the committee meetings may seem somewhat social, we do get a lot done. Remember, there is always room for new blood. So if you feel a need or desire to contribute with new ideas and ways of doing things, please nominate.

I'd also like to thank the many members that have contributed to the Society in the form of talks, by donating specimens and for giving words of encouragement, as well as doing those little things that many may not notice. I'd especially like to thank John and Vicky, George and Jeremy and Tina for keeping us in refreshments and nibbles throughout the year.

I especially would like to thank Jim Sharpe. For those of you who may not know, Jim organises the program for Friday nights throughout the year and contacts the speakers. This year we've had talks ranging from Gem Analysis to Minerals of Arizona, Mercury deposits to looking the future of mineralogy. We've had hugely enjoyable member participation nights talking about personal experiences (mineral and collecting related), a night on Kingsgate and a session on amethyst.

In addition, each year Jim organises the smooth running of the May mineral auction, and to top it off, he also organises the mineral sale in February, where all money raised, last year \$1000, goes to Kids with Cancer.

The December Christmas social was standing room only, and at times it was hard to move around. But what a great problem to have – lots of people. A big thank you to John Chapman, Vicky, Arthur, Gary, Jim and David and other helpers for providing the delicious spread for the night, which seemed to be vacuumed up in no time. And of course, thank you to you all for bringing in so many specimens for exchange and sale.

Where would we be without our secretary, George Laking? He's like our dad, the glue of the Society. He holds everything together, deals with correspondence, does the mailing, puts together the newsletter and keeps the minutes of committee meetings. If you need to know something about the Society, he's your man.

We are very fortunate to be able to meet here at the University of Western Sydney, so I am sure that we would all like to join in a vote of thanks to Peter Williams and the University for allowing us to use these facilities year after year without charge. We are indeed very fortunate.

I'd like to challenge members of the society to become more involved, if not necessarily being up front or on the committee, by bringing in specimens relevant to each month's topic. Remember we love looking at rocks! All rocks. And if you have ideas for talks, field trips or other matters, chat to a committee member. It would also be great to have a few younger members, so if you could all tell your friends that mineralogy is the cool and accessible science, and better than Friday night TV, that would be great.

In closing, again, I thank you all for your support, and I wish the incoming committee a successful year ahead.

Dieter Mylius
August 2013

At the conclusion of the President's Report the Society Treasurer, Graham Ogle, handed around copies of the Annual Financial Report which also provided figures for the previous financial year. The Treasurer then worked through the figures comparing some to the previous year and otherwise explaining aspects of many of them as he proceeded.

The Society was in good financial shape and had finished the year well in the black. Even with some Seminar-related expenses still to be paid within the new financial year the figures to June 30th last showed a comfortable surplus.

ANNUAL REPORT 2012 – 2013

FINANCIAL STATEMENT

Funds in hand:

	<u>2012 - 2013</u>	<u>(2011 - 2012)</u>
1. Balance in Operating account CBA # 06 2016 28023647 @ 30th June 2013	\$17,865.16	(\$8,737.73)
2. Funds in CBA Term Deposit	\$31,966.32	(\$31,966.32)
3. Cash in Hand	\$46.00	(\$46.00)
4. Total Funds at 30th June, 2013	\$49,877.48	(\$40,750.05)

Increase in funds

\$9,127.43 (\$701.48)

Income

Subscriptions	\$2,925.00	(\$3,038.00)
Supper donations and mineral sales	\$1,300.60	(\$1,123.05)
Sales of AJM	\$155.00	(\$160.00)
Sale for Kids with Cancer	\$1,052.05	(\$1,223.65)
Interest on Operating account	\$45.70	(\$38.68)
Interest on term deposit	\$1,923.23	(\$1,917.98)
Seminar	\$7,315.00	(\$0)

Total \$14,716.58 (\$7,521.36)

Expenditure

Supper items	\$1,471.00	(\$1,210.42)
Personal accident insurance	\$504.00	(\$486.50)
Subscriptions to mineralogical magazines and associations, internet	\$193.75	(\$698.49)
Transfer of money raised for Kids with Cancer	\$929.05	(\$1223.65)
Contribution to AJM/Aust Museum	\$0	(\$1,500.00)
Printing etc	\$503.77	(\$1,164.07)
George Smith book	\$600	(\$0)
Seminar	\$750	(\$0)
Other - PL ins./ Dept Fair Trading reg./ Speaker travel etc	\$637.58	(\$536.75)

Total \$5,589.15 (\$6,819.88)

Income – Expenditure

\$9,127.43 (\$701.48)

Liabilities

\$7,706.00 (\$0)

Seminar expenses	\$7,583.00 (paid in July 2013)
Kids with Cancer	\$123.00 (from mineral sales, will be paid after next sale)

Other Assets

Estimated value based on 10% depreciation pa.

Mineral trimmer	\$32
Display cabinets	\$226
Library	\$1,001
Microscope	\$107
<u>Total fixed assets</u>	<u>\$1,366</u>

The above statement indicates that the Society is in a sound financial position.
The accounts have been examined and confirmed by Jim Sharpe.

Graham Ogle
Treasurer
2nd August, 2013

At the conclusion of the Financial Report the Treasurer asked if there were any queries. Jeremy Taylor-Edwards asked if the term deposit should be protected against inflation by allowing interest to accumulate. He was advised that this could easily be done and had been done in the past but with certain expenses expected over the previous year and into the current year it had been decided to keep more money in the operating account for the time being.

With no other queries being made Graham Delaforce proposed that the Report be accepted. The motion was seconded by Albert Falzon with all in favour.

ELECTION OF THE SOCIETY COMMITTEE FOR 2013 / 2014

Before the election commenced Albert Falzon addressed the Meeting to move a vote of thanks to the out-going Committee for their work over the previous year, organising meetings and speakers presenting a range of interesting topics, the printing, catering and all the other work. The proposal was seconded with all in favour.

Dieter Mylius asked Arthur Roffey AO to assume the task of Returning Officer and to take the chair of the Meeting for the election of the 2013/2014 Society Office-Bearers and Committee members.

The Returning Officer noted that only single nominations had been put forward for the Committee positions and accordingly was able to dispense with a ballot. He read out the names and positions of the nominated Committee members and declared them elected unopposed.

PRESIDENT:	Dieter Mylius
VICE-PRESIDENT:	John Chapman
SECRETARY:	George Laking
TREASURER:	Graham Ogle
COMMITTEE MEMBERS:	David Colchester
	John Rankin
	Jim Sharpe
	Gary Sutherland
	Edward Zbik

The Returning Officer then handed the chair back to the elected Society President, Dieter Mylius, who upon asking if there was any further business for the A.G.M. and there being none declared the official proceedings closed.

The President continued with the evening's program first explaining the reason for the Betty Mayne Memorial Lectures which it had become customary to hold every year after the A.G.M. and where a prominent person in the field of mineralogy would be invited to give a keynote presentation. Whilst most Society members would know about the endowment to the Society by Betty Mayne for the benefit of new members the President provided a little more background.

After her retirement as a nursing sister in the late 1980s Betty Mayne indulging a substantial interest in Earth Science joined the Mineralogical Society, being elected to the Committee first as Secretary and then becoming President and presiding over the Mineralogical Seminar held in Sydney in 1991. She passed away unexpectedly only about a month after the Seminar. Over the previous years she had built up a fine collection of minerals, gemstones, rocks and fossils and her will stipulated that the collection should be sold by auction with the proceeds to be divided equally between the Mineralogical Society and the Friends of the Geological and Mining Museum (FOGAMM) Society with which she had also been associated.

The original sum bequeathed to both societies in 1992 was some \$17,520 each and the decision taken then was to keep the capital intact on term deposit and gaining value with interest but with some of the interest used to fund mineralogical and educational projects over the years. Notably most recently some of the bequest fund interest helped subsidise the Mineralogical Seminar in June.

After the bequest was made to the Society the late professor Laurie Lawrence suggested that in commemoration of the benefactor a series of Betty Mayne Memorial Lectures should be established with prominent people in the area of mineralogy being invited to deliver a memorial lecture to the Society. The lectures have been held every year since then.

Accordingly the President advised that the Memorial lecture this evening would be given by Dr Ian Graham, long-time Society member and senior lecturer at the School of Biological, Earth and Environmental Sciences at the University of N.S.W.

“Gold Deposits of Woodlark Island, Papua New Guinea”

Dr Ian Graham

Dr Graham commenced by thanking the President for referring to his Society membership which in his case was of thirty years. As a long-time member he had known Betty Mayne very well and even had some of her mineral specimens in his own collection.

Then and with the aid of a large number of projected images the speaker proceeded to explain very thoroughly and in great detail work that he has been conducting over several years investigating the presence and extent of mineral deposits, particularly of gold, on Woodlark Island in Papua New Guinea.

The country of Papua New Guinea comprises in addition to the eastern half of the main island of New Guinea numerous other islands, large and small, scattered over an approximately 1,000 by 700 km area of the south-western Pacific to the immediate north of eastern Australia. Woodlark, called Muyua

locally, is one of the smaller and more remote of the many islands. It is situated in an area of open sea within the Milne Bay Province. Milne Bay is at the easternmost end of the 'big' island or 'mainland' of New Guinea and Woodlark is approximately 150 klm to the northeast of the Bay or about 600 klm from Port Moresby. The island is about 100 klm long and 30 klm across and has a population of 3-4,000 local people. It was described as a beautiful tropical island which like all of PNG is covered with tropical rainforest although unlike other parts of PNG it is fairly flat and not markedly mountainous.

Ian Graham has been travelling to Woodlark Island to work for periods over the last four years, as part of a team working on a project for Kula Gold Pty Ltd, examining with others the geology and mineralogy of the island, particularly looking at and proving areas of gold mineralization. A number of his colleagues conducting this work were shown and introduced in projected images including the Kula Gold CEO, Society member Lee Spencer. The current investigation by Kula Gold had been taken over from BDI Mining which had initiated earlier work.

The speaker described getting to Woodlark Island by plane from Port Moresby the straightest route for which would involve flying over the south-east Papuan Peninsula which has a spine of mountains. Flying over these in a small plane which has ceiling limit of about 10,000 feet has to be done very carefully since the elevations of some of the mountains were near to the plane's ceiling and according to the speaker the trip can be a scary experience!. The flight from Port Moresby to Woodlark takes about one and a half hours if flying over the peninsula or about two and a half if the weather is bad and the planes have to take a longer route and follow the coast around. There is a small air-strip on Woodlark, courtesy of the Americans who built it during World War II.

Throughout his lecture Ian Graham constantly provided anecdotes illustrated by projected images of the more unfamiliar features of working in the tropics and often in thick 'jungle'. One problem being the presence of numerous vigorously biting green tree ants which as he advised if any fell on to a person the best way to get rid of them was to jump in the sea!. This however was not to be done carelessly since the sea 'was full of huge 25-foot salt-water crocodiles'!. Among other insect problems were the presence of red-back spiders, 'the largest the speaker has ever seen'. Possibly originally transported to Woodlark from Australia with miner's supplies and which have flourished in the tropical environment.

During the course of his lecture the speaker also established himself as something of a keen fisherman which interest he was clearly able to indulge in during his time on Woodlark. Fishing is spectacular and a staple activity for the local people, the island with fringing coral reefs out to 50 klm in places is surrounded by water teeming with large fish. By contrast with the mostly shallow waters around Woodlark the sea-bed on the north-eastern coast plunges over a short distance to a depth of about 1.5 klm which would be significant for mining activities to dump tailings.

Other problems noted were the vigorous growth of the tropical vegetation which in between visits by the geologists may grow so quickly as to obliterate tracks or the problems of working during the rainy season when the island may be referred to as 'Mudlark' and tracks become rivers. Rainfall is regularly about five meters per year although conveniently can be timed almost to the minute every day. It starts at about 12.00 and stops at 2.00 pm so workers can time their lunch for that period and resume work when the rain stops. The temperature in the summer is about 40 deg Celsius and about 30 deg C at other times. Always very hot and always very humid.

Ian Graham described some of the history of gold mining on Woodlark. Australian prospectors and then miners had made their way to the island from Cooktown in 1888 and by 1895 had started opening up the Kulumadua field of alluvial and then primary gold mineralization, mining continuing until the 1920s. Kulumadua was the first continuous hard rock gold mine in the whole of Papua and was the first to pay a dividend to its investors and for a time was the deepest mine in the country until 1922.

The speaker provided some figures for gold production from the Kulumadua field, said to be of some 100,000 tons of rock processed for a production of 74,000 ounces of gold. Ian Graham advised however that the figures were not to be believed since it was well established that alluvial miners would never reveal to government inspectors how much gold they were producing. Accordingly he suggested that the actual gold production from an alluvial field was probably triple what was being recorded and the actual production from Kulumadua was probably about a half a million ounces.

Among many other images shown was one of an old four-stamp battery. It had originally come from England via Cooktown then by boat to the Woodlark Harbour. It was transported to its working location in pieces by about two hundred locals and not by horses which cannot be used in the tropics. Another legacy of the early mining on Woodlark was the discovery near the Busai deposit of a large bottle dump containing, according to the speaker, 'hundreds of thousands of bottles'. An astonishing feature of the dump was that about every second bottle was of imported French champagne and a substantial number of the remainder were of scotch whisky! All reflecting what the early miners from the 1890s through to the 1920s were drinking and presumably how well they were profiting from their work.

Woodlark Island has not been served well with government services and until the Kula Company started operations there was little in the way of medical services with no hospital or medical supplies available. That situation has been getting rectified by the company setting up a medical centre and arranging regular deliveries of essential supplies. Images were shown of a barge arriving in the small harbour with goods, the main cargo being diesel.

There has long been a substantial problem with malaria on the island with several people dying every year so it is essential for everyone to take anti-malarial medication. The Kula company arranges to clear vegetation around the accommodation area of the main camp and spray against mosquitoes. This keeps the camp clear although the speaker warned that the jungle was 'full of mosquitoes' although in his experience from other parts of the World the Woodlark mosquitoes were not quite as bad as ones he encountered in Russia where the insects there 'could bite through thick canvas'!

Not too much geological exploration was conducted on Woodlark until various surveys were performed in 1967 and again in 1978 and 1981 and then 1994. In addition to looking at the previously established Kulumadua workings the Kula Gold team had investigated various other areas on Woodlark and found significant deposits such as the Busai field and the Woodlark King mine. For much of his lecture Dr Graham dealt extensively with the mineralogy and geology of these deposits, noting that much of the material examined was gold-bearing. A significant feature about the gold at Busai in regard to processing was that it is all free-milling coarse-grained gold and therefore easy to process. Deposits also contained an amount of silver, copper and a number of other minerals, pyrite, sphalerite & galena. In regard to the development of mining and production Ian Graham commented about some of the difficulties in dealing with the PNG bureaucracy, in his case taking eight months for him to be issued with a research visa.

The work by the geologists thus far has established that there is a lot of gold on Woodlark in several very promising deposits and there are commercial amounts of other metals, silver and copper. In one area which had received the attention of locals nuggets weighing up to 50 ounces had been found. The company's investigations had established that the Kulumadua field had a resource of about 840,000 ounces of gold and the Busai field about 980,000 ounces. Overall it has been established that there is about 1.75 million ounces of gold on Woodlark.

At the end of his lecture the speaker answered a considerable number of questions and had handed around a number of specimens of rock samples bearing in many cases visible gold specks and strands.

MICROSCOPE For Sale

Society member Bob Meyer-Gleaves in Inverell has a microscope for sale. It is an **Orion Instruments** binocular with six magnification settings. In its own box complete with a separate light source. Bob would like \$400 for the microscope which is currently being looked after by the Secretary, George Laking, who will bring it to the next Society General Meeting when it can be examined, or sooner by arrangement.

Anyone interested in possibly purchasing this microscope may consult Bob Meyer-Gleaves on telephone number 6721 3333 or mobile 0419 866 133 or G.Laking on 9636 71454, mobile 0468 387 899.

FORTHCOMING EVENTS

GEMKHANA 2013

In the Showground on Duoro Street in Mudgee over the October long weekend from Saturday October 5th - 10.00am-5.00pm; Sunday October 6th - 10.00am-5.00pm; & Monday, October 7th - 9.00am to noon.

‘The Annual Gem & Mineral show and Competition of lapidaries from across NSW.

Presented by the Gem & Lapidary Council of NSW Inc’

‘The competition brings entries from all across NSW and quite a few from interstate.

Dealers and tailgaters will have jewellery, tools, books, machinery, minerals, cut stones, opal and findings.

We will have children’s activities. Refreshments will be available.

There is wheelchair access and plenty of parking. On-site camping is available

Contacts are Arthur 02 4572 5812, Marilyn 02 9635 8218,

www.gemlapidarycouncilnsw.org.au for info and link to secretary.’

CANBERRA LAPIDARY CLUB

SPRING GEMCRAFT & MINERAL SHOW

Sat 2nd & Sun 3rd November 10.00am to 5.00pm

In the Parkes Room, Exhibition Park, (EPIC), on Northbourne Avenue, Canberra

\$5 adults, \$9 family, \$2 children/concession.

Gem & lapidary dealers, Minerals, opals, beads & supplies, rough & cut gemstones, lapidary equipment & supplies, fossils and jewellery.

Displays of members’ collections, free sessions on fossicking & gold detecting, cabbing & faceting.

More information on www.canberralapidary.org.au ; or Phone: 02 6281 3312

FESTIVAL OF MINERALS AND GEMS by the ILLAWARRA LAPIDARY CLUB

Saturday & Sunday 2nd & 3rd of November, 10.00am to 5.00pm
at the Ribbonwood Centre, Princes Highway, Dapto.
<http://www.illawarralapidaryclub.com.au/>

PARRAMATTA-HOLROYD LAPIDARY CLUB ANNUAL EXHIBITION

Friday 8th, Saturday 9th and Sunday 10th of November.
From 9am to 4pm each day
At the Club Rooms at 73 Fullagar Road, Wentworthville, Sydney.

‘Competition, sales, demonstrations, children’s activities, sand sieve,
fossicking heap, refreshments. Wheelchair access and plenty of parking
Contact the Club on 02 9636 7843 or *<http://www.freewebs.com/parraholroydlapidaryclub/>*

ANNUAL JEWELLERY SHOW by the NEWCASTLE LAPIDARY CLUB

The Newcastle Lapidary Club will be holding their annual jewellery show
on the weekend of 9th & 10th of November 2013.
The Show is in the club rooms at 2 Dora Rd Adamstown, Newcastle, NSW.
Starting times on both days are 9.00am and finish at 4.00pm.
Rocks, tools and jewellery will be for sale.
There will be a sausage sizzle, devonshire tea, coffee and drinks.
Parking is available and admission is free.

For more information contact the club 0249529611 or email newlap@gmail.com.

GEMBOREE 2014

Australia’s 50th NATIONAL GEM, LAPIDARY, JEWELLERY AND MINERAL SHOW.

GEMBOREE 2014 is to be held in Gatton, Queensland, over Easter, the 18th to 21st April 2014.

Presented by the Australian Federation of Lapidary & Allied Crafts Associations Inc. (AFLACA).
