



LAPIS

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"SHARE YOUR KNOWLEDGE"

VOLUME FORTY TWO NUMBER SEVEN APRIL 2008

"WE MAKE HISTORY"

For the first time ever, a Lapidary Club has won the Ray Powell Champion Club Trophy for four years in a row. I know you will all be pleased to know that it was OUR CLUB that achieved this historic milestone.

Congratulations to all who contributed to this memorable occasion.



President Brian Burns accepting the Ray Powell Champion Club Trophy from the GEMBOREE Princesses

CLUB NEWS

The next General meeting will be on Tuesday Evening 8 April 2008 at 8.00pm in the Clubrooms at Beecroft - all members welcome.

Following the General meeting we would normally have a guest speaker but due to the large number of members traveling around our big country we will not have a speaker this month. So

members please come along and join us for a social evening.

PRESIDENT'S REPORT

Wow!!!! What a fantastic result! Thanks to a great effort from all our club members who competed in the 2008 GEMBOREE at Murray Bridge I am pleased to be able to say that the Northern Districts Lapidary Club won the **Ray**

Powell Champion Club Trophy for the 4th year in a row, something that no other Club has achieved. At the individual level our members also had great success, with Tony Try winning the Harold Evans Intermediate Champion Lapidary Trophy and Jean Macleay, Barbara Try, Helga Clark and Tony Try each winning individual trophies for particular categories (see details below).

It is a result of which you can all truly be proud, and our congratulations go out to all those who made the effort to prepare entries for the GEMBOREE competition. Perhaps the best way to show your appreciation for their efforts would be to decide to join them and prepare an entry for next year's GEMBOREE. We have the best teachers who are only too happy to help you.

On your behalf I also wish a safe and pleasant trip to all those Club members who are continuing on as part of the Caravan safari through South Australia and NW New South Wales over the coming weeks.

Brian Burns

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From the Committee

Safety Issues

Safety derives from 3 principles:

1. Concern for welfare and life of self (welfare being health and function).
2. Concern for welfare and life of others
3. Concern for property and values (Those values being property and belongings and social and cultural values).

If any incident occurs that changes health, function and social status, monetary value or cultural value then the life of the affected individual plus family and social network are all affected.

Hence our concerns for safety, apart from pain, lost time, (rehabilitation) and embarrassment.

That is the heavy stuff for this issue.

Now the simple stuff – all of our machinery has moving parts, much at high speed and high power. All of our processes of dopping and soldering involve naked flame. Loose clothing and hair

obviously present great risk in the presence of moving machinery and naked flame – **SO – TAKE CARE – NO LOOSE CLOTHING OR HAIR.**

Colin Hazell

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Librarian

Two new books were purchased for the Library at the GEMBOREE. They are:

- Fleischer's Glossary of Mineral Species – 2008, which will be kept in the reference section.
- A Beginners Guide to Faceting by John Broadfoot and Peter Collins, which will be available to members to borrow.

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David Broome our "**Good Cleaning Gnome**" has gone on leave for two months so it is imperative that we all clean up the Club room and the Cutting room as required.

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GEMBOREE 2008 COMPETITION RESULTS

<i>O-1A.1</i>	<i>Standard Cabochon – Snowflake Obsidian</i>		
2 nd Prize	Brian Burns	99.99	
<i>O-1A.5</i>	<i>Standard Cabochon – Any material Aesthetic Appeal</i>		
3 rd Prize	Brian Burns	99.00	
<i>O-1B.1</i>	<i>Fancy Cabochon - Petrified Wood</i>		
1 st Prize	Bert Deane	98.00	
<i>I-1B.2</i>	<i>Fancy Cabochon - Any Material</i>		
1 st Prize	Lyn Bridson	99.00	
2 nd Prize	Tony Try	98.00	
3 rd Prize	Tony Try	95.00	
<i>O-2A.1</i>	<i>Double Standard Cabochon – Ribbonstone</i>		
1 st Prize	Barbara Try	100.00	
<i>N-2A.3</i>	<i>Double Standard Cabochon – Ribbonstone</i>		
2 nd Prize	Tony Try	83.45	

O-2B.1 Double Fancy Cabochon – Clear Quartz
 1st Prize Barbara Try 100.00
 2nd Prize Bert Deane 98.00

O-3.1 Free Form – Opal Solid
 3rd Prize Barbara Try 96.50

N-3.2 Free Form – Opal Solid
 1st Prize Tony Try 93.50

O-3.4 Free Form - Any Material
 1st Prize Jean Macleay 99.75

O-5A.1 Carving – Fully 3-Dimensional Hardness under 4
 3rd Prize Jim Patterson 85.75

O-5A.2 Carving – Fully 3-Dimensional Hardness 4 and above
 1st Prize Brian Burns 86.63
 3rd Prize Jim Patterson 78.25

N-5A.3 Carving – Fully 3-Dimensional Any Hardness
 1st Prize Lewis Calwell 90.63

I-9B.1 Std Square Step Cut with Cut Corners Man Made Coloured Spinel Specified size 12 mm x 8 mm
 1st Brian Burns 92.38

O-12A.1 Tumbled Stones – Preformed Shape, Any material, set of four
 1st Prize John Weatherburn 99.25
 3rd Prize John Weatherburn 97.12

N-12A.2 Tumbled Stones – Preformed Shape, Any material, set of four
 1st Prize Tony Try 92.18

O-13.1 Polished Face – Flat Surface Jasper
 1st Prize Barbara Try 96.50
 2nd Prize Barbara Try 96.00

N-13.2 Polished Face – Flat Surface Petrified Wood
 1st Prize Tony Try 94.00

O-18A.1 Hand Fabricated Jewellery not intended to include Lapidary, Fossil or Mineral Specimen/s
 1st Prize Jean Macleay 96.75

N-18A.2 Hand Fabricated Jewellery not intended to include Lapidary, Fossil or Mineral Specimen/s
 2nd Prize Lyn Bridson 93.50

O-18B.1 Hand Fabricated Jewellery with Solid Opal item/s cut and set by entrant
 1st Prize Jean Macleay 87.60

O-18C.1 Hand Fabricated Jewellery with Natural Fossil or Mineral Specimens set by entrant
 1st Prize Helga Clark 81.00

N-18E.3 Wire Wrapped Jewellery with Lapidary Fossil or Mineral item/s prepared and set by entrant
 3rd Prize Lyn Bridson 64.80

O-19A.1 Cast Jewellery NOT intended to include Lapidary, Fossil or Mineral Specimen/s
 1st Prize Helga Clark 88.25
 2nd Prize Jean Macleay 84.00

N-19A.2 Cast Jewellery NOT intended to include Lapidary, Fossil or Mineral Specimen/s
 1st Prize Barbara Try 90.50
 3rd Prize Barbara Try 83.75

O-19B.1 Cast Jewellery with Lapidary item/s cut and set by entrant
 3rd Prize Barbara Try 75.10

O-20A.1 Cast Jewellery NOT intended to include Lapidary, Fossil or Mineral Item/s
 3rd Prize Jean Macleay 86.00

N 20A.2 Cast Jewellery NOT intended to include Lapidary, Fossil or Mineral Item/s
 Special Award Barbara Try 90.75
 2nd Prize Barbara Try 86.00

O-25.1 Commercial Mount Jewellery with Lapidary Item/s cut and set by entrant – Matching Earring and Pendant Set
 1st Prize John Weatherburn 96.00
 2nd Prize Barbara Try 95.25
 3rd Prize Barbara Try 95.00

I-25.2 Commercial Mount Jewellery with Lapidary Item/s cut and set by entrant – Matching Earring and Pendant Set
 Special Award Tony Try 88.50

N-26B.2 Enamelled Jewellery without Mount

Special Award Barbara Try 76.90
2nd Prize Barbara Try 73.00

O-34A.1 Mineral Non Display Single Specimen Cabinet Size Overseas Cubic System

1st Prize Tony Try 98.00

O-34B.3 Mineral Non Display Group of Three, Cabinet Size Australia Gypsum each to be a different colour

3rd Prize Barbara Try 92.00

Trophies

Ray Powell Champion Club

Northern Districts Lapidary Club

Harold Evans Intermediate Champion Lapidary

Tony Try

Northern Lapidary Supplies

Winner of Section O-18A-1, Hand Fabricated Jewellery

Jean Macleay

The Crystal Habit Trophy, Best Mineral of the Show

Tony Try

John S. Ryding

Winner of Section O-18C-1, Hand Fabricated Jewellery

Helga Clark

Boris Novic

Winner of Section O-2A-1 Double Standard Cabochon

Barbara Try

Chas Totterdall

Winner of Section O-18B-1 Handcrafted Jewellery with Solid Opal

Jean Macleay



The trophy winners – From the left Barbara Try, Helga Clark, Jean Macleay, Tony Try and Brian Burns

Wax Carving Workshops 2008

Mark Young has again agreed to run a series of wax carving lessons. These are to be run on the following Saturdays. The dates are:

10 May 2008

7 June 2008

5 July 2008

A sheet has been placed on the notice board for those who would be interested in attending, to add their name.

Jean Macleay



Chef's Corner

Walnut Squares

125 g Butter

½ cup Brown Sugar

1 beaten Egg

¾ cup chopped Dates and Walnuts

1 cup S R Flour

Vanilla

Put butter into a saucepan with brown sugar, stir till boiling and cool, Add beaten egg, chopped dates and walnuts, flour and vanilla to taste. Bake in a greased slice tin for approx. 20 minutes in a moderate oven. Mark into squares, but leave in tin until quite cold.

MEMBER'S ACHIEVEMENTS



Sharon Waters' Latest Creation

EXHIBITION BULLETIN

I would like to remind all members that it is now the time to start preparing your entries for this competition. Copies of the schedule are on the shelf near the shop, along with the faceting diagrams.

For the Facetors there are a number of cuts for you to try cutting. They are:

- Standard Brilliant continuous girdle – Natural zircon for Open Novice and Junior
- Standard Square Cut with Cut Corners – Australian Labradorite for Open and Novice
- Open Modified Standard cut – is Trenchant Triangle – Material Syn. Spinel
- Novice Modified Standard Cut – is Trilnot
- No. 4 cut – Material Topaz
- Junior Modified Standard Cut – is Mitchell
- Six Ray Star – Material Syn. Quartz
- Open Fancy Cut is English Rose – Material coloured Syn Quartz.

Please watch Lapis for the Working Bees that will be called in the time leading up to the exhibition after the Easter Holidays during the year.

In the meantime members are asked to start cutting cabochons in attractive material to be set as Jewellery for sale at the Exhibition. The sizes requested are 30 x 22 mm and 18 x 13mm. If you require suitable material please approach your teacher.

Barbara Try
Exhibition Coordinator

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Murray Bridge

- The largest town in the Murraylands, Murray Bridge is located approximately 80 kilometres from Adelaide.
- The region around Murray Bridge was known to the Aboriginal tribes of the area as 'Mooppolthawong', meaning haven for birds.
- Drovers crossed the river with their cattle in this area and so European settlers adopted the name Edwards' Crossing, after the first resident, George Edwards.
- The first bridge over the River Murray in South Australia was built there in 1879 and a town was established in 1883 and called Mobilong, either a corruption of the indigenous 'Mooppolthawong' or 'Mupulawangk' meaning soft reed place.
- The town grew when the Adelaide-Melbourne railway line was built in 1886.
- A railway bridge was constructed at Murray Bridge in 1924-25.
- The town was renamed Murray Bridge in 1940.
- A second road bridge was completed at Murray Bridge in 1979 as part of the South Eastern Freeway.
- Today dairying and other agricultural industries are the main businesses of the area and Murray Bridge is the gateway to the River Murray tourist attractions.

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The Great Artesian Basin

The Great Artesian Basin (GAB) is one of the world's largest groundwater basins. The GAB stores an approx volume of 64,900 million megalitres. It is enough water to fill the Sydney Harbour 130,000 times.

How was it formed?

Over millions of years, the basin was created by the deposition of sediments that eventually formed

layers of sandstone, siltstones and mudstones. When the Triassic period ended, uplift occurred and erosion of these areas led to sedimentation. During the Cretaceous period, high sea levels and down warping created a shallow sea over inland Australia. This sea deposited muddy sediments which later consolidated forming downs which can be seen today.

What is Artesian Water?

Artesian Water is underground water pressurised and confined within a porous and permeable geological formation. The formation that stores and transmit water are called aquifers. These aquifers are refilled by rainfall and stream flow infiltrating into the exposed sandstones on the edge of the basin.

When an aquifer is tapped, artesian water may flow naturally to the surface. The bore at the Blackall Woolscour was drilled in 1907 to a depth of 782.4m (2568 feet) and flowed at 2 461 837 litres / day (650348 gallons). The water comes out a temperature of approx 58° C.

Facts

- The average bore depth is 500m (1667 feet), although some bores go to a depth of 2000m (6666 feet)
- Artesian water is the purest water in the world.
- The basin was first discovered in 1878 when a shallow bore sunk near Bourke (NSW) produced flowing water.
- The first bore drilled in QLD was at Blackall. This bore can be seen at the end of Aqua Street. Drilling started in 1885 and finished in 1887.
- The water is hot because it is closer to the Earth's core.
- In places around Winton, the water can come out at boiling point
- The GAB underlies approx. one fifth of Australia from QLD, NSW, SA and NT
- The word 'artesian' comes from the French region of Artois, where the oldest well in Europe was drilled in 1126
- Some artesian springs are featured in Aboriginal myths and hold significant spiritual and cultural beliefs

- Some travellers say that the water smells of rotten eggs, but the smell is the sulphur in the water.



The Great Artesian Basin



Funnies

Male or Female ????

You might not have known this, but a lot of non-living objects are actually either male or female?

Here are some examples:

FREEZER BAGS: They are male, because they hold everything in, but you can see right through them.



PHOTOCOPIERS: These are female, because once turned off; it takes a while to warm them up again.



They are an effective reproductive device if the right buttons are pushed, but can also wreak havoc if you push the wrong Buttons.

TYRES: Tyres are males, because they go bald easily and are often inflated.



HOT AIR BALLOONS: Also a male object, because to get them to go anywhere, you have to light a fire under their butt.



SPONGES: These are female, because they are soft, squeezable and retain water.



More next edition



DATES OF INTEREST

- Apr 5 & 6** **Canberra Rock Swap – Organised by Canberra Lapidary Club**
Exhibition Park in Canberra (EPIC) - Corner of Federal H'way and Flemington Road,
Lyneham.
More details are on the Notice board in the Clubrooms
- Apr 8** **NORTHERN DISTRICTS LAPIDARY CLUB**
General Meeting Tuesday 8 pm, Clubrooms Beecroft all members welcome
- Apr 12** **Campbelltown & Dist Lapidary Club Open Day / Boot sale**
Lot 1 Bensley Road, Campbelltown – 02 9618 3206
- Apr 19** **Nepean Club – Open day & Sale**
Club Premises, 12 North Street Penrith – 02 4777 4105
- May 13** **NORTHERN DISTRICTS LAPIDARY CLUB**
General Meeting Tuesday 8 pm, Clubrooms Beecroft all members welcome
- May 17 & 18** **NORTHERN DISTRICTS LAPIDARY CLUB**
Casting Weekend
- May 17 & 18** **Lismore Club – 18th Annual Gemfest**
Lismore Showground – Janet McNamara (02) 6628 1060

- 2008 – GEMBOREE – SA, Murray Bridge – Mar 21 -24 -**
2009 – GEMBOREE – Vic, Horsham – April 10-13
2010 – GEMBOREE – Tasmania - Devonport
2011 – GEMBOREE – NSW - Bathurst

For information on Interstate and Overseas Gem Shows see back pages of the Gem & Lapidary News available in clubrooms on shelf near library.



Northern Districts Lapidary Club Shirts

Good quality polo shirts are available from the shop for field trips and future GEMBOREE'S.

They are royal blue with the Club's badge embroidered above the pocket on the left hand side of the shirt.
Cost is \$35.00. Sizes range from small to XXXL.

If your size is not available in the shop please complete the form below.

Please indicate the size and number you require. **Name:**.....

Size:..... **Number:**.....

Return to Secretary NDLC – PO Box 59, Beecroft NSW 2119

Lapis now available by  or  !!

Members, if you would prefer to receive your LAPIS by email rather than by snail mail please send you email address to Barbara Try. My email is twotrys@bigpond.net.au