



**Tea Tree Gully Gem & Mineral Club Inc. (TTGGMC)**

**Clubrooms: Old Tea Tree Gully School, Dowding Terrace, Tea Tree Gully, SA 5091.**

**Postal Address: Po Box 40, St Agnes, SA 5097.**

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**Aug  
Edition  
2014**

# "Rockzette"

## Tea Tree Gully Gem & Mineral Club News

In this edition...	President's Report	Meetings, Courses & Fees.
<ul style="list-style-type: none"> <li>• Diary Dates</li> <li>• Stop Press</li> <li>• President's Report.</li> <li>• Club Activities.</li> <li>• Meetings, Courses &amp; Fees.</li> <li>• Mineral Matters - Copper (South Australian focus)</li> <li>• General Interest</li> <li>• Members Notice Board.</li> <li>• Useful Internet Links</li> </ul>	<p>Hi All, Just to let you know, I have received the all clear after my operation. I know it's still five months 'til Christmas, but it's time to start thinking about and planning our Christmas Party for 2014. Suggestions wanted. Also, we need to start planning for our Exhibition in 2015. Please give it some thought. Regards, Ian.</p>	<p><b>Meetings</b> Club meetings are held on the 1st Thursday of each month except January: Committee meetings start at 7.00 pm. General meetings - arrive at 7.30 pm for 8.00 pm start.</p> <p><b>Faceting</b> (times to be advised) <i>Course 10 weeks x 2 hours Cost \$20.00.</i> <i>Use of equipment \$1.00 per hour.</i></p> <p><b>Lapidary</b> (Tuesday - Wednesday mornings) <i>Course 5 weeks x 2 hours Cost \$10.00.</i> <i>Use of equipment \$1.00 per hour.</i></p> <p><b>Silver Craft</b> (Friday - Wednesday mornings) <i>Course 5 weeks x 2 hours Cost \$20.00.</i> <i>Use of equipment \$1.00 per hour.</i></p>
<p><b>Diary Dates</b></p>	<p><b>Club Activities</b></p>	
<ul style="list-style-type: none"> <li>• August 30th &amp; 31st 2014. Enfield Gem and Mineral Club Open Day at the Enfield Community Centre, 540 Regency Road, SA.</li> <li>• October 3rd, 4th &amp; 5th 2014. The Broken Hill Mineral Club "Rock-on Gem and Mineral Show", Penrose Park, Silverton, NSW.</li> <li>• October 11th &amp; 12th 2014. Adelaide Gem and Mineral Club Exhibition.</li> <li>• November 1st &amp; 2nd 2014. Southern Rockhounds Gem and Craft Fair, at the "Log Cabin" 17 Gerald Ct., Christie Down, SA.</li> <li>• March 21st &amp; 22nd 2015. Canberra Outdoor Rock Swap, EPIC, Canberra, ACT.</li> <li>• April 3rd, 4th, 5th &amp; 6th 2015. National Gemboree, Horsham, VIC.</li> </ul>	<p><b>Competitions</b> Competitions have been suspended indefinitely and are currently replaced with members showcasing an interesting part of their collection.</p> <p><b>Field Trips</b> <i>October 3<sup>rd</sup> to 5<sup>th</sup> 2014:</i> The Broken Hill Mineral Club "Rock-on Gem and Mineral Show", Penrose Park, Silverton, NSW. <i>October 6<sup>th</sup> to 13<sup>th</sup> 2014:</i> Bush camping and fossicking for gypsum specimens, Woolcunda Station, NSW.</p> <p><b>Library</b> <i>Librarian - Augie Gray</i> There is a 2 month limit on borrowed items. When borrowing from the lending library, fill out the card at the back of the item, then place the card in the box on the shelf. When returning items, fill in the return date on the card, then place the card at the back of the item.</p> <p><b>Silver Craft</b> Friday mornings - 9 am to 12 noon. Cost \$20 for new short course attendees. All are welcome.</p> <p><b>Tuesday Craft</b> Tuesday mornings - 11 am to 2.30 pm Faceting, etc. All are welcome. Contact Doug 08 7120 2221 if you would like to learn faceting.</p>	<p>While some consumable materials are supplied by the club, trainees must supply any additional requirements.</p> <p>Trainees who use the club equipment (for example, magnifying head pieces, faceting equipment, tools, etc.) must return them to the workshop after usage. Trainees are also encouraged to purchase and use their own equipment.</p> <p>In the interest of providing a safe working environment, it is necessary to ensure individuals using the workshops follow the rules set out in <i>Policy No. 1 - 20/11/2006</i>.</p> <p>It is necessary that <i>Health and Safety</i> regulations <u>are</u> adhered to at all times.</p> <p>Trainees must ensure:</p> <ul style="list-style-type: none"> <li>that all work stations are left in a clean and tidy state;</li> <li>that all rubbish is removed and placed in the appropriate bin;</li> <li>and where applicable, machines are cleaned and oiled.</li> </ul>
<p><b>Stop Press</b></p>		
<ul style="list-style-type: none"> <li>• <b>Birthday:</b> Our next meeting is deemed to be the club's birthday meeting - please bring supper to share and celebrate the event.</li> <li>• <b>Wanted</b> - The faceting group occasionally has members wishing to buy a 2<sup>nd</sup> hand faceting machine &amp; accessories. Could anyone with one not being used please contact: Doug Walker 0871202221 or Russell Fischer 0417083227?</li> </ul>		<p><i>The Tea Tree Gully Gem &amp; Mineral Club Inc. will not be held responsible or liable for any person injured while using the club machinery or equipment.</i></p>
<p>The Tea Tree Gully Gem &amp; Mineral Club Inc. is not and cannot be held responsible or liable for any personal injuries, loss or damage to property at any club activities, including, but not limited to, meetings, field trips, all crafts and annual shows. An indemnity is to be signed by all participants before each and every field trip activity they attend.</p>	<p><b>Club Subscriptions</b> \$25.00 Family. \$20.00 Family/Pensioner. \$15.00 Single. \$15.00 Single/Pensioner. \$10.00 Joining Fee.</p>	

## Mineral Matters - Copper (South Australian focus)

### Copper - Properties, mining and commercial use.

"Copper Cu

Atomic number - 29

Atomic mass - 63.546 g.mol<sup>-1</sup>

Electronegativity according to Pauling - 1.9

Density - 8.9 g.cm<sup>-3</sup> at 20°C

Melting point - 1083 °C

Boiling point - 2595 °C

Vanderwaals radius - 0.128 nm

Ionic radius - 0.096 nm (+1) ; 0.069 nm (+3)

Isotopes - 6

Electronic shell - [ Ar ] 3d<sup>10</sup> 4s<sup>1</sup>

Energy of first ionisation - 743.5 kJ.mol<sup>-1</sup>

Energy of second ionisation - 1946 kJ.mol<sup>-1</sup>

Standard potential - + 0.522 V ( Cu<sup>+</sup>/ Cu ) ; + 0.345 V ( Cu<sup>2+</sup>/ Cu )

Copper is a reddish metal with a face-centered cubic crystalline structure. It reflects red and orange light and absorbs other frequencies in the visible spectrum, due to its band structure, so it has a nice reddish color. It is malleable, ductile, and an extremely good conductor of both heat and electricity. It is softer than zinc and can be polished to a bright finish. It is found in group Ib of the periodic table, together with silver and gold. Copper has low chemical reactivity. In moist air it slowly forms a greenish surface film called patina; this coating protects the metal from further attack."

*Information extracted from: Water Treatment Services - Lenntech.*

<http://www.lenntech.com/periodic/elements/cu.htm#ixzz2v4cxWMSM>

"Copper (Cu) has a cultural significance as it was the first metal used by man (probably as early as 7000 BC). Neolithic man mined native copper and used it as a substitute for stone; its malleability enabled easy shaping of tools by beating it.

Copper was smelted as early as 3500 BC at Timna in Israel. Its property of alloying with other metals (particularly tin) was discovered about 500 years later and heralded the Bronze Age, which started in southern Europe between 3000 and 2500 BC.

Although the manufacture of bronze tools largely fell into disuse with the onset of the Iron Age about 1000 BC, copper continued to be used for its other properties.

As one of only two coloured metals, its beauty makes it highly desirable for making ornaments and its resistance to corrosion makes it suitable for use in, or near the sea.

The growth of the copper industry has been intimately linked with the increasing use of electricity with electrical applications continuing to be the metal's principal use which can be attributed to two physical properties.

It is an excellent electrical (and heat) conductor and is ductile enough to be drawn into wire and beaten into sheets without fracturing.

Copper is used widely in plumbing components and is a major component of alloys, many of which are harder, stronger and tougher than their individual constituent elements."

### Copper Bearing Minerals

**Mineral Name - Formula - % Copper when pure**

**Azurite** - 2CuCO<sub>3</sub>·Cu(OH)<sub>2</sub> - 55.1%

**Bornite** - 2Cu<sub>2</sub>S·CuS·FeS - 63.3%

**Chalcocite** - Cu<sub>2</sub>S - 79.8%

**Chrysocolla** - CuO·SiO<sub>2</sub>·2H<sub>2</sub>O - 37.9%

**Covellite** - CuS - 66.5%

**Cuprite** - Cu<sub>2</sub>O - 88.8%

**Malachite** - CuCO<sub>3</sub>·Cu(OH)<sub>2</sub> - 57.3%

**Chalcopyrite** - CuFeS<sub>2</sub> - 34.5%

**Tetrahedrite** - Cu<sub>3</sub>Sb<sub>3</sub>S<sub>3</sub> + x(Fe,Zn)<sub>6</sub>Sb<sub>2</sub>S<sub>9</sub> - 32–45%

*Information extracted from Wikipedia, the free encyclopedia: [http://en.wikipedia.org/wiki/List\\_of\\_copper\\_ores](http://en.wikipedia.org/wiki/List_of_copper_ores)*

### South Australian focus

"South Australia — 'The Copper Kingdom'.

Copper was first discovered in South Australia near Montacute in the Mount Lofty Ranges, 16 km east - northeast of Adelaide, in 1842. This had been preceded by the discovery and development of Australia's first metal mines (silver–lead) at nearby Glen Osmond in 1840–41.

The small Montacute discovery was followed in rapid succession by much more substantial finds at Kapunda (1843), Burra (1845) and Callington–Kanmantoo (1846). The Bremer Smelting Works, erected near Callington in 1848, was Australia's earliest commercial smelter.

By 1851, prior to the Victorian gold rush, Burra was the largest inland population centre in Australia. It was producing 10% of the world's copper and had become known as the 'Monster Mine', with South Australia known as the 'Copper Kingdom'. Mining of the Wallaroo and Moonta fields on northern Yorke Peninsula commenced in 1860, and a myriad of smaller copper mining ventures proliferated in the Flinders Ranges up to the turn of the century.

Burra closed in 1877 and Kapunda the following year, but Moonta–Wallaroo continued mining until 1923 and smelting to 1926.

South Australian copper production effectively ceased at the end of World War II but was revived from 1969 with reopening of Burra, Kanmantoo and Mount Gunson. These had again closed or were in decline by the mid-1980s.

In its second mining life of 12 years (1969–81), Burra produced ~40 000 t of contained copper, much the same as for its first 32-year episode (1845–77). Kanmantoo output was similar, while Mount Gunson produced a more substantial 130 000 t of contained copper.

Nevertheless, Moonta–Wallaroo's record of *Continued next column...*

340 000 t of copper (plus 1.7 t of gold and 17 t of silver) remained unchallenged and still constituted half of the State's total output to that time.

Then, in 1988, production commenced at Olympic Dam. It took only seven years to eclipse Moonta–Wallaroo's total, and a further four years to exceed all prior production in the state.

This will now be replicated every three years — it seems that the Copper Kingdom has a new 'Monster Mine'."

*Information extracted from: MESA Journal January 2003 [http://www.pir.sa.gov.au/\\_data/assets/pdf\\_file/0016/10906/mj28\\_copper.pdf](http://www.pir.sa.gov.au/_data/assets/pdf_file/0016/10906/mj28_copper.pdf)*



### Copper is used in:

- the conduction of electricity - generators, motors, electrical power and lighting fixtures, electrical wiring, radio and television sets, computers and almost everything electrical
- the conduction of heat - thin-walled copper tubing in air conditioning and refrigeration units, motor vehicle radiators, home heating systems, steam condensers, some kitchen pots and appliances, etc.
- providing corrosion resistance - roofing (more so in the past), plumbing fittings, water reticulation systems, automotive fuel lines, sea water desalination plants and hydraulic systems.
- providing timber preservation from borers (copper naphthanate and copper chrome-arsenate).
- treatment - fungicide (copper sulphate).
- fertilisers (as trace element).
- in the manufacture of coins, scientific instruments and objects of decoration (eg. garden ornaments).

*Information extracted from: Australian Government - Geoscience Australia, Australian atlas of mineral resources, mines and processing centres, Copper Fact Sheet.*

[http://www.australianminesatlas.gov.au/education/fact\\_sheets/copper.html#intro](http://www.australianminesatlas.gov.au/education/fact_sheets/copper.html#intro)



Article compiled by Mel Jones.

# Mineral Matters - Sample of South Australian Copper Related Mineral Specimens.



Atacamite - Mount Gunson, SA.



Chrysocolla after Malachite,  
Lady Buxton Mine Arkaroola, SA



Atacamite, New Cornwall Mine, Kadina, SA.



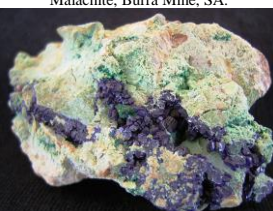
Azurite, Burra, SA.



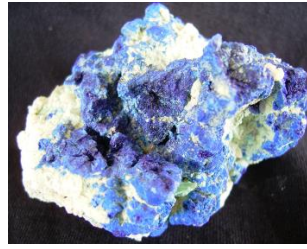
Azurite & Malachite, Kitticoola Mine, SA.



Malachite, Burra Mine, SA.



Azurite, Malachite & Chrysocolla, Burra Mine, SA.



Azurite - Burra, SA.



Malachite after Azurite, Burra, SA



Azurite & Malachite, Spring Creek Mine, SA.



Azurite, Malachite & Quartz  
Stanley Mine, Clare, SA.



Azurite, Kamantoo Mine, SA.



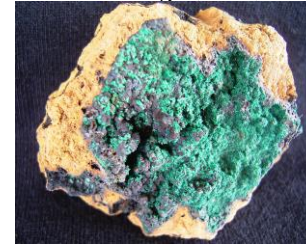
Chalcopyrite, Riverview Quarry, SA.



Malachite after Azurite, Burra Mine, SA.



Bornite & Chalcopyrite, Moonta, SA.



Malachite, New Cornwall Mine, Kadina, SA.



Malachite (Foliated)  
Lady Buxton Mine, Arkaroola, SA.



Cuprite, Spring Creek, SA.



Atacamite & Malachite, Mt Gunson, SA.



Copper coated with Malachite & Chrysocolla  
Moonta, SA.



Malachite, Gomersal, SA.



Barite, Malachite & Quartz - Stanley Mine,  
Clare, SA



Chrysocolla after Malachite,  
Lady Buxton Mine, Arkaroola, S.A.



Azurite & Malachite, Spring Creek Mine, SA.



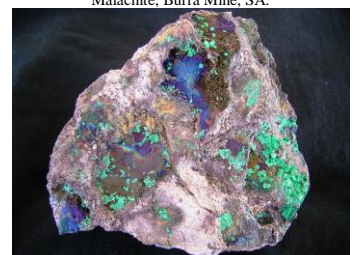
Atacamite, Mt Gunson, SA.



Chalcopyrite & Quartz, Moonta, SA.



Malachite, Burra Mine, SA.



Malachite, Mt Gunson, SA.

**Still Not Downunder!**

Well here we are again, enjoying a very unusual summer for UK, with it being quite hot and dry.

After our week in Cornwall, we headed back to Tony and Vee's for a while, where they took us to Nuffield House which was owned by the founder of Morris vehicles. It's quite a modest home in comparison to the Manors we have seen, one of which was Waddeston Manor with its beautiful gardens and fabulously furnished rooms.

We visited Oxford for a bit of education, but alas, they wouldn't enrol us! (We know it all! Already!). Nevertheless, we found it fascinating, and loved the old buildings. Another great spot was Henley, where they hold the regatta on the Thames, very pretty spot to amble along the river banks. Spent one day in London doing the normal tourist bits, but only scratched the surface.

We hired another car and headed to Norfolk to see some other friends for a couple of days. We took a very interesting tourist drive which included places like Nelson's birthplace, a keep called Castle Rising (ruined Normandy Castle) over a thousand years old - it's hard for us to comprehend the age.

Busy! Busy! We then dropped the car off and caught the train to Greenwich to stay with Anna our backpacking friend we met in Aussie. Had a great few days with her; walked all over Greenwich, seeing the Olympic Stadium area which is now a beautiful park for families to enjoy. We celebrated the Aussie Marathon win at the Albion Hotel (near St Paul's Cathedral) with their running group hoping for a Brit to win. Ha! Ha!

St Paul's is magnificent and we were lucky enough to hear the choir singing.

We took a cruise along the Thames, which we found to be very informative and wish we could remember half of what was said. But, what a great way to see a lot of the landmarks.

Currently, we are sitting in the train heading back to Wendover. Early rain has cleared making for humid weather.

We're trying to come to grips with the train system; hopping off here, getting on there, and getting fit in the process. According to Granton's pedometer we have walked over 100kms since arriving.

**Until next time - catcha later!**



*Granton and Denise Edwards*

*Copied by Mel from an email received 28/07/2014.*



The average tourist wants to go to places where there are no tourists.

Sam Ewing  
American writer & humorist

It always takes longer to get there than to get back.

First Law of Travel

I've always wanted to go to Switzerland to see what the army does with those wee red knives.

Billy Connolly  
Scottish comedian, musician & actor

Education: Forcing abstract ideas into concrete heads.

Anonymous

Patience: The quality you admire in the driver behind you but can't stand in the driver who's in front of you.

Anonymous

Coffee: Break fluid.

Anonymous

**Show and Tell**

Ian's latest purchases from the MGMC 2014 Rockarama at Palmer, South Australia.



*Quartz with Sand Inclusions*  
White Rock Quarry, Magill, South Australia



*Quartz var Amethyst on Datolite*  
Aurora Mine Charcas, San Luis Potosi Mexico  
(Top View).



*Quartz var Amethyst on Datolite*  
Aurora Mine Charcas, San Luis Potosi Mexico  
(Underneath View).



*Calcite on Quartz*  
Grove Rake Mine, Weardale, Co Durham England.

**Show and Tell**

Continued...



*Quartz with Fuchsite Inclusions*  
Ovahitra, Fianarantsoa Province, Madagascar.

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Doug Walker contributed the following...

**The Big Australian**

(Broken Hill Proprietary Company - BHP)

**Part 1 - Discovery**



**Charles Rasp 1846 - 1907**

Picture copied from a photograph by Johnstone O'Shannessy & Company Limited, 55 & 57 Collins Street East, Melbourne, Australia, taken circa 1890 - [accessed via the internet from Wikipedia, the free encyclopedia.](#)

Charles arrived in Melbourne from Germany in 1869. Initially, he found work pruning vines. After two years on agricultural properties he headed for the Victorian goldfields, but the days of the big strikes were over. The wet and slushy diggings gave him a hacking cough; on the advice of friends he moved to New South Wales where he worked on Walwa Station. Wandering from place to place he was eventually engaged as a boundary rider on Mount Gipps Station in the Barrier Ranges in the far west. After discoveries of silver at Silverton and Day Dream, station hands were on the lookout for traces of the metal.

When duties brought him to the 'Hill', Rasp often examined the rocky outcrop. No geologist, but observant, he pegged the first block on the 'Broken Hill', which he thought was a mountain of tin.

On the advice of the Mount Gipps manager, George McCulloch, a syndicate of seven was formed and seven blocks pegged to include the whole ridge. Each member subscribed 70 pounds to the unregistered 'Broken Hill Mining Co.' and paid 1 pound per week towards working the claim.

There was little success for some months as a result of disappointing analysts' reports, who were only testing for tin. The discovery of rich silver ore in 1885 led to the formation of the Broken Hill Proprietary Co. (BHP) with a capital of 16,000 20 pound shares, 14,000 of which went to the syndicate, and to the rapid growth of the mining industry at Broken Hill. Within five years Rasp had made a fortune and Broken Hill was well and truly on the map, transformed from a drought ravaged, uninhabited locale to a settlement of 10,000 people softened perhaps by forty seven hotels, nine banks, two stock exchanges and a brewery.

Prosperity for Broken Hill lasted for ten years until problems with processing sulphide ores and the dangers of underground mining led to bitter and protracted industrial disputes. Advances in technology saved the day with separation techniques devised by Captain Hancock at Wallaroo and Moonta with a flotation process that increased the efficiency of zinc extraction, the zinc having previously been dumped with the tailings; the old tailings could then be reworked for the valuable zinc content.

Charles Rasp had made his fortune through his involvement with BHP. He retired to Adelaide where he bought a large house at Medindie, north of Adelaide, which he called 'Willyama'. He and his wife Agnes entertained on a lavish scale; entertaining guests at balls and dinner parties.

Charles Rasp died suddenly, at his home on the 22nd of May 1907, from a heart attack. He is buried at the North Road Cemetery, Nailsworth.

Oil paintings of Rasp and his wife are in the Charles Rasp Memorial Library in Broken Hill.

*Reference: JJ Pascoe (History of Adelaide and Vicinity) A Coulls, Charles Rasp; Founder of Broken Hill. Australian Dictionary of Biography, Volume 6.*



[Mining at Broken Hill - Photo copied from Wikimedia Commons, the free media repository.](#)

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**An Australian Poem**



They were funny looking buildings, that were once a way of life.  
If you couldn't sprint the distance, then you really were in strife.

They were nailed, they were wired, but were mostly falling down.  
There was one in every yard, in every house, in every town.

They were given many names, some were even funny,  
But to most of us, we knew them as the outhouse or the dunny.

I've seen some of them all gussied up, with painted doors and all,  
But it really made no difference, they were just a port of call.

Now my old man would take a bet, he'd lay an even pound,  
That you wouldn't make the dunny with them turkeys hangin' round.

They had so many uses, these buildings out the back,"  
You could even hide from mother, so you wouldn't get the strap.

That's why we had good cricketers, never mind the bumps,  
We used the pathway for the wicket and the dunny door for stumps.

Now my old man would sit for hours, the smell would rot your socks,  
He read the daily back to front in that good old thunderbox.

And if by chance that nature called sometime through the night,  
You always sent the dog in first, for there was no flamin' light.

And the dunny seemed to be the place where crawlies liked to hide,  
But never ever showed themselves until you sat inside.

There was no such thing as Sorbent, no tissues there at all,  
Just squares of well read newspaper, a hangin' on the wall.

If you had some friendly neighbours, as neighbours sometimes are,  
You could sit and chat to them, if you left the door ajar.. Continued next column...

When suddenly you got the urge, and down the track you fled,  
Then of course the magpies were there to peck you on your head.

Then the time there was a wet, the rain it never stopped,  
If you had an urgent call, you ran between the drops.

The dunny man came twice a week, to these buildings out the back,  
And he would leave an extra can, if you left for him a zac.

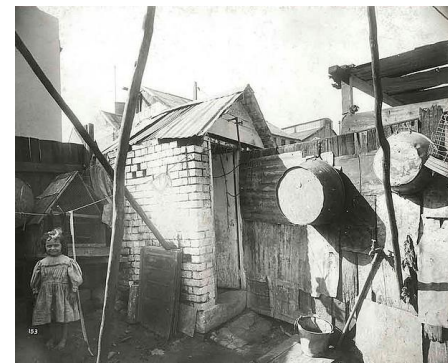
For those of you who've no idea what I mean by a zac,  
Then you're too young to have ever had, a dunny out the back.

For it seems today they call them the bathroom, or the loo,  
If you've never had one out the back, then I feel sorry for you.

For it used to be a way of life, to race along the track,  
To answer natures call, at these buildings out the back.

Author: Judy Jenkinson.

*Contributed by Augie Gray.*



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## General Interest



### Woe! Woe! Woe! The Rural Recession Explained in Simple Terms by an Old-Time Farmer

It all started back in '66, they changed from pounds to dollars; that doubled me overdraft.

Then they brought in kilograms instead of pounds; me woolclip dropped by half.

After that they changed rain to millimetres and we haven't had an inch of rain since.

If that wasn't enough, they brought in Celsius and we never got over 40 degrees; no wonder me wheat wouldn't grow.

Then they changed acres to hectares and I ended up with only half the land I had.

By this time I'd had enough and decided to sell out, I put the property in the agent's hands, and then they changed miles to kilometres.

Now I am so far out of town no-one'll buy the place.

Author Unknown.

Contributed by Augie Gray.



### Signs of Getting Old.

My forgetter's getting better.  
But my rememberer is broke,  
To you that may sound funny,  
But, to me, that's no joke.

For when I'm here, I'm wondering,  
If instead I should be there,  
And when I try to think it through,  
I haven't got a prayer.

Oft times I walk into a room,  
And say, 'what am I here for?'  
I wrack my brain, but all in vain,  
A zero is my score.

At times I put something away,  
Where it is safe, but gee,  
The person it's safest from,  
Is generally me.

When shopping I may see someone,  
Say 'Hi' and have a chat,  
Then, when the person walks away  
I ask myself, 'Who the hell was that?'

Yes my forgetter's getting better,  
While my rememberer is broke,  
And it's driving me crazy,  
And that isn't any joke.

Author Unknown.



I need a six month holiday, twice a year!



### Does this USA extract sound a little too familiar?

'Due to the current financial situation caused by the slowdown in the economy, Congress has decided to implement a scheme to put workers of 50 years of age and above on early, mandatory retirement, thus creating jobs and reducing unemployment. This scheme will be known as RAPE (Retire Aged People Early).

Persons selected to be RAPED can apply to Congress to be considered for the SHAFT program (Special Help After Forced Termination).

Persons who have been RAPED and SHAFTEED will be reviewed under the SCREW program (System Covering Retired-Early Workers).

A person may be RAPED once, SHAFTEED twice and SCREWED as many times as Congress deems appropriate.

Persons who have been RAPED could get AIDS (Additional Income for Dependents & Spouse) or HERPES (Half Earnings for Retired Personnel Early Severance).

Obviously persons who have AIDS or HERPES will not be SHAFTEED or SCREWED any further by Congress.

Persons who are not RAPED and are staying on will receive as much SHIT (Special High Intensity Training) as possible. Congress has always prided themselves on the amount of SHIT they give their citizens. Should you feel that you do not receive enough SHIT, please bring this to the attention of your local representative, who has been trained to give you all the SHIT you can handle.

Sincerely,

The Committee for Economic Value of Individual Lives (EVIL)

PS Due to recent budget cuts and the rising cost of electricity, gas and oil, as well as current market conditions, the *Light at the End of the Tunnel* has been turned off.

Author Unknown.



An Englishman, an Irishman, and an Australian walk into a bar. The barman says, "Is this some kind of bloody joke?"

A man and his wife were sitting in the living room and he said to her, "Just so you know, I never want to live in a vegetative state, dependent on some machine and fluids from a bottle. If that ever happens, just pull the plug." His wife got up, unplugged the TV and threw out all of his beer.

Donncha is shocked at finding out all his cows are suffering from "Bluetongue." 'Bejabbers,' Donncha murmurs, 'I didn't even know they had mobile phones.'



### Mental Age Assessment

The following was developed as a mental age assessment by the School Of Psychiatry at Harvard University.

Take your time and see if you can read each line aloud without a mistake. The average person over 40 years of age cannot do it!

1. This is this cat.
2. This is is cat.
3. This is how cat.
4. This is to cat.
5. This is keep cat.
6. This is an cat.
7. This is old cat.
8. This is fart cat.
9. This is busy cat.
- 10 This is for cat.
11. This is forty cat.
12. This is seconds cat.

Now go back and read the third word in each line from the top down.



### You might be a geologist (or mineral collector) (or gem club member) IF ...

You own more pieces of Quartz than underwear.

Your rock collection weighs more than you do.

Your rock garden is located inside your house.

You can pronounce the word "molybdenite" correctly on the first try.

You don't think of "cleavage" the same way everyone else does.

You have ever uttered the phrase "have you tried licking it", with no sexual connotations involved.

You find yourself compelled to examine individual stones in another person's driveway gravel.



**Lexophile** is a word used to describe those who have a love for words, especially in word games, puzzles, anagrams, palindromes, etc.

You can tune a piano, but you can't tuna fish.

To write with a broken pencil is pointless.

When fish are in schools, they sometimes take debate.

A thief who stole a calendar got twelve months.

When the smog lifts in Los Angeles U.C.L.A.

The batteries were given out free of charge.

A dentist and a manicurist married - they fought tooth and nail.

A will is a dead giveaway.

With her marriage, she got a new name and a dress.

A boiled egg is hard to beat.

## Members Notice Board

### Wanted

#### **Mineral photo opportunities.**

I'm looking for opportunities to photograph mineral specimens (South Australian in particular) for future newsletter "Mineral Matters" articles.

Do you have mineral specimens that you can make available to be photographed?

I'm prepared to take these photos at your nominated location or at the club rooms, whichever suits you.

Specimens do not have to be first prize winners - what matters, is that they are clearly identifiable and present as a reasonable example from a known location.

Hope you can help me out on behalf of the club.

Mel Jones  
08 8395 1792

[mel.jones@bigpond.com](mailto:mel.jones@bigpond.com)

### **Newsletter Content & Contributions**

Contributions for the newsletter need to be passed on to me no later than one week before each club meeting.

As the current caretaker for the club newsletter, I will be emailing members a link to the copy on the Monday prior to the meeting.

Please consider contributing some of your photos and stories for all to enjoy. These do not have to be mineral related.

I look forward to your ongoing assistance and also seek your timely, frank feedback so that the newsletter continues to meet the club members' interest.

Mel Jones  
08 8395 1792  
[mel.jones@bigpond.com](mailto:mel.jones@bigpond.com)

## Useful Internet Links

2014 Australian (& some NZ!) Gem & Mineral Calendar: <http://www.mineral.org.au/shows/shows.html>

Australian Federation of Lapidary and Allied Crafts Association (AFLACA): <http://aflaca.org.au/>

AFLACA-GMCASA: <http://aflaca.org.au/members/gem-and-mineral-clubs-association-of-south-australia-gmcasa/>

Gem and Mineral Clubs Association of South Australia (GMCASA): <http://www.gmcasa.org.au/>

Adelaide Gem and Mineral Club: [http://sacommunity.org/org/197578-Adelaide\\_Gem\\_%2526\\_Mineral\\_Club#.Uta7ufRDt8E](http://sacommunity.org/org/197578-Adelaide_Gem_%2526_Mineral_Club#.Uta7ufRDt8E) <http://www.adelaidegmc.websyte.com.au/>

Broken Hill Mineral Club, The: <http://brokenhillmineralclub.wikispaces.com/>

Enfield Gem and Mineral Club Inc: [www.egmc.infopage.com.au](http://www.egmc.infopage.com.au)  
<http://southaustralia.localitylist.com.au/yellowresult.php/goal/Detail/ckey/26988>

Flinders Gem, Geology and Mineral Club Inc:  
[http://www.lapidaryworld.com/flinders\\_geology\\_gem\\_and\\_mineral\\_club.html](http://www.lapidaryworld.com/flinders_geology_gem_and_mineral_club.html)

Mineralogical Society of SA Inc: <http://www.sa-minsoc.websyte.com.au/>

Murraylands Gem and Mineral Club Inc: <http://www.murraylandsgmc.org.au/>

Southern Rockhounds: <http://www.southern-rockhounds.websyte.com.au/>

Yorke Peninsula Gem and Mineral Club Inc: <http://www.coppercoast.sa.gov.au/page.aspx?u=754&c=16913>