

# NUTS & BOLTS



*'Every man needs a shed'*

Vol 6 | Issue 6 | February 2023



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## Message from the Editor

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*Paul Gardiner asked if I could include an article In Nuts & Bolts that gave newer members to the shed an outline of the earlier history of the shed.*

*The CMS Timeline (Pages 8-9) is an updated article that appeared in the August 2019 edition of Nuts & Bolts which celebrated the 10<sup>th</sup> Birthday of the shed.*

*Please enjoy this first edition of Nuts Bolts for 2023*

*"Wrinkles should merely indicate where smiles have been." Mark Twain*

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## Carina Men's Shed valued supporters include:





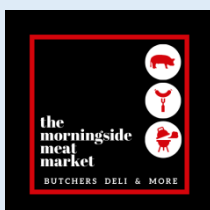
*Member's News*

**Christmas Lunch 2022 Belmont Bowls Club Friday 16 December 2022**

The President welcome speech to members and guests thanked all members for their support in ensuring another successful and productive year for our shed. Lunch was a selection of Roast Pork, ham and chicken and sweets of Plum Pudding or Pavlova. The Covid Raffle of donated gifts after lunch, raised about \$1100.



Carina Men's Shed valued supporters include:







Collection of Old Lathe by Caboolture Historic Village *Wednesday 21 December 2022*



**Bunnings BBQ *Friday 13 January 2023***

Another successful day with \$900 raised thanks to the efforts of: Phil Allen, John Rossberg, Tony Paterson, Mike Arthur, Freddie Butler, David Clarkson, Peter Kucks, Mick Lyons, John Tihverainen and Ian McCue.

***First Aid Update - Guest Speaker***

***Monday 16 January 2023***

Jane from the Queensland Ambulance Service gave a hands-on update on the procedures and equipment available to first responders to a medical emergency and emphasised the need to quickly identify any safety concerns in the immediate vicinity before providing assistance. Many thanks again Jane



**Bunnings BBQ**

***Friday 10 February 2023***

Sales were significantly down due to the heat. Big thanks to Phil Allen, Gordon Bowler, Roger Appleby, Peter Kucks, Adrian Paolucci, David Clarkson, David Sim and Ian McCue who soldered on in the sweltering conditions.



### Australia Day Lunch Monday 23 January 2023

The audience in the Carina Senior Citizens Club gave a rousing round of applause after the Corrugated Shedders completed their 16-17 set of songs, after some initial audio problems when setting up. The Carina Seniors then conducted the raffle draw with Rex, Gordon, Brian, Peter K. and John T. amongst the numerous winners. This was followed by excellent lunch. Congratulations to Carina Seniors Citizen Club for providing such a wonderful day.



*Poetry Corner****I Am Australian***

*I came from the dream-time  
From the dusty red-soil plains  
I am the ancient heart  
The keeper of the flame  
I stood upon the rocky shores  
I watched the tall ships come  
For forty thousand years  
I've been The first Australian*

*I'm the daughter of a digger  
Who sought the mother lode  
The girl became a woman  
On the long and dusty road  
I saw the good times come  
I'm a bushie, I'm a battler  
I am Australian*

*We are one, but we are many  
And from all the lands on earth we come  
We'll share a dream and sing with one voice  
I am, you are, we are Australian*

*I'm a teller of stories  
I'm a singer of songs  
I am Albert Namatjira  
And I paint the ghostly gums  
I'm Clancy on his horse  
I'm Ned Kelly on the run  
I'm the one who waltzed Matilda  
I am Australian*

*We are one, but we are many  
And from all the lands on earth we come  
We'll share a dream and sing with one voice  
I am, you are, we are Australian*

*We are one, but we are many  
And from all the lands on earth we come  
We'll share a dream and sing with one voice*

*I am, you are, we are Australian  
I am, you are, we are Australian*



## Tony Paterson's prize winning entries in 2022 Ekka and his inspiration for his creations

**Nexus**

I was inspired by the areola tissues that connect, support, anchor or separate different tissues or organs within the body. The viewer is drawn in to the matrix of light, form and texture of the piece. This is an expression of my artistic imagination and the departure point from actual tissue representation.

I wanted to draw the viewer's eye beyond the obvious into a mysterious place beyond and which inspires the viewer's own imagination of the scene.

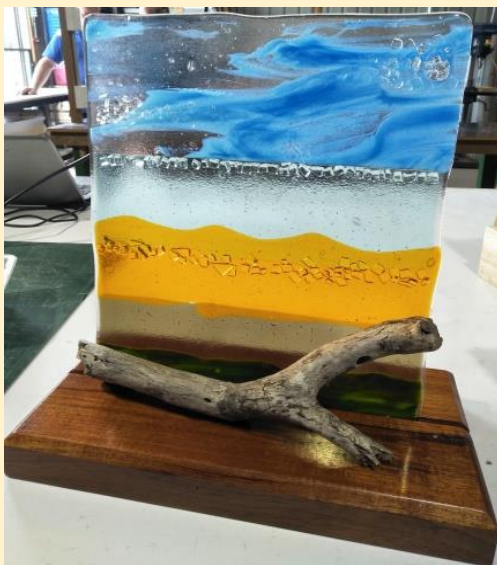
From the time I was thirteen years old when I saw a science fiction movie, *Fantastic Voyage*, that depicted a submarine of microscopically-miniaturised doctors who were injected into a patient, I was inspired to recreate something similar in the future. Nearly sixty years later it resurfaced into this depiction.

To construct this display I used glass scraps, thus eliminating waste. I hand-cut the glass pieces and arranged them into what would become the matrix of each of the three panels that you can see here. Once arranged, I fired each panel at up to 830 degrees in a glass fusing kiln. As well as fusing the disparate scraps into one cohesive design, the process rounded the segments and endings as the glass contracted into an average thickness of 5mm. The clear glass absorbs light and transmits it at the edges.

The orange and black colouring was achieved by fusing powdered coloured glass into the original clear sheet. Once fused, the powder and clear sheet became one. The panels were then precisely mounted into a custom-made case and separated by mirrors. My friend Mal Baldock gave his time to expertly construct the bespoke case.

I designed and constructed this project at the Carina Men's Shed, who provide the facilities and expertise that enabled me to learn and practice my craft in a supportive environment.

**Best Exhibit in Show - Glass Craft  
First Prize Fused Glass & Slumped Glass**

**Tannum Sands**

I was walking the dog with my wife along the beautiful beaches of Tannum Sands in Central Queensland. I was taken by the natural colours, textures and layers of beauty spread out before us. An idea began to form when I absent-mindedly picked up a piece of driftwood that had been offered up by the Coral Sea. I turned it over in my hands noting the organic textures in its surface. I then collected more driftwood, much to the dismay of my wife, and delight of the dog.

On return to the Men's Shed glass studio I began sketching the beach. The piece you see in front of you began to form in my mind, then in the sketches.

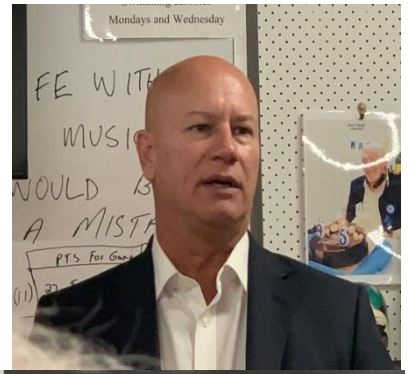
The first piece of glass was new clear artisan glass, which acted as the background to hold the coloured glass pieces together in one cohesive design. The coloured glass sections were scrap from other members' projects. I fused them together in a glass fusion kiln at around 800 degrees, which formed the clear and coloured pieces into one sheet. I then used scrap clear glass chips to help delineate the elements of the design and to add to the texture.

The final touches were to engage our woodworking team to create the base from scrap timber, then to fix the driftwood into place. This is an example of how the Men's Shed upcycles scrap and sometimes supplements it with specialty materials as we deem appropriate. I hope the result gives you a feel for the beauty that surrounds us in this wonderful country of ours. We are truly blessed to enjoy it.

**3<sup>rd</sup> Prize Fused Glass & Slumped Glass**



*Presentation of 10 Year Membership Certificates*



Peter Finch



Robert Trichtler



Dennis Beck



John Abbott



Rob Cousins



Allan Johnson



Peter McAulav



### Carina Men's Shed – Timeline

For new and older members of the shed this is a brief timeline about how the wonderful facilities we enjoy today in our shed and the Clem Jones Centre are the result of our founder's thought bubble, *"Why don't we have these in Queensland"?*

#### 2008



In 2008, on a holiday with his wife Margaret, visiting family at Port Wakefield in South Australia, our shed's founder Georgie Hickey, started visiting a number of local Men's Sheds and asked himself, *"Why don't we have these in Queensland"?* On returning to Queensland he checked out Men's Sheds on the Internet and finding the AMSA website immediately joined, and Carina Men's Shed Inc. was registered with the AMSA on the 3<sup>rd</sup> August 2008.

Georgie soon realised there were only three other Men's Shed registered in Queensland; Kenmore, Nundah and Sunnybank and none of them had a shed to operate from. So he promoted the benefits of having a Men's Shed for Carina, by local letter box drops and placing notices in the Local Community paper.

#### 2009

Georgie's persistence soon got results and the Inaugural Meeting of the Carina Men's Shed (CMS) was held on **Monday the 3rd August 2009** at the Home Assist Office located at Wecker Rd, Mansfield and a Steering Committee was set up that day. Several meetings were held at the Home Assist office however as this was an office area, it wasn't suitable to do any activities, so Georgie set up a workshop in his garage which remained the home of our shed for the next two years.



#### 2010

In February 2010 Channel 7's, Great South East program, ran a sort segment, featuring our Men's Shed in Georgie's garage which was invaluable advertising for our shed attracting new members as well as promoting the Men's Shed Organisation to the broader community.



Bunnings Hardware Cannon Hill came on board sponsoring the Men's Shed Carina Inc. and discussions were held with the Carindale PCYC and the Clem Jones Centre regarding land being donated to build our shed.

Around the middle of 2010 the Clem Jones Centre, asked us to be part of their association and enabled us to build our shed on their grounds. This image shows Georgie Hickey and Mal Weier marking out the area made available for the shed with Dante Ballarino looking on.





**2011 - Funding Secured and Shed (Work Shop) erected and in use by the end of October**



By the middle of 2010, while a site was now available to build our shed, the money still had to be found.

Due to the combined efforts and shared vision, of Georgie Hickey, Mal Weier, Clem Jones Centre CEO Steve Heald, and Steve Kilburn MP whose support and persistence, secured the grant with the Queensland Government Department of Community Services, sufficient funds had been raised by September 2011, enabling our shed to be built on its current site on the Clem Jones Centre.

Steve Heald, Georgie Hickey, Mal Weier and Steve Kilburn on site once funding has been secured to build our shed.



Shed site ready for slab pour (30/09/2011)



Shed Kit Arrives (10/10/2011)



Shed erected to lockup in 48 hrs (12/10/2011)



Official Opening (22/02/2012)

Our shed was opened and in use by October 2011 and officially opened by Steve Kilburn MP for Chatsworth on 22 February 2012.

The Recreation Room and Office extension was built in November 2013 and first used on Monday 20 January 2014 and officially opened by Steve Minnikin MP for Chatsworth.



*Photo of the Month - January*

***January Photo of the Month –Theme Disappearing Technology***

Photo was taken by Allen Linning of old petrol fuelled soldering iron in his collection.



If you are planning any international travel in the near future, Peter Finch recommends you check out this link which indicates Covid-19 travel requirements and visa requirements

<https://www.fctgtravelnews.com/covid-19-travel-map>



## Great Moments in Science with Dr. Karl Kruszelnicki

## Trees are made of air



Dr Karl: In the 1600s, Belgian Scientist, Jan Baptista van Helmont, plonked a 2 kg willow sapling into some dirt. Not very exciting yet but stay with me. He put this small tree into a 90 kg pot of dirt and added nothing but water for the next five years. At the end of his experiment, he removed the tree. The willow had gained about 75 kg, but the dirt lost only about 60 grams. He realized (quite correctly) that his tree had not been taking mass from the soil. So, how had the little sapling packed on all that weight?

Well, it turns out trees are made mostly from air. That's right, they might look dense enough, but most of the solid mass of a tree comes from air! To be clear, I'm not using 'Creative Statistics', and including the space between the branches. (Which, by the way, you have only a 3% chance of hitting a golf-ball straight through.) What I'm talking about is the solid component of the tree's mass — the cellulose, the lignin and the dry hard bark. I'm also specifically not counting the water that a tree drinks up. I'm just talking about its solid matter.

With that proviso, most of the mass of a tree comes from the air!! So, you can imagine a tree as crystallised air! Let's have a look at how that's happening. At the microscopic level, a tree is mostly made of carbohydrates, which are sugars. Cellulose (which makes up much of the tree) is just strings of glucose molecules linked together. Carbohydrates are made up of atoms of carbon, hydrogen and oxygen. They usually have the shape of carbon atoms arranged in a ring. Practically all of these carbon atoms in a tree came from carbon dioxide — which came directly from the air. What about the oxygen in a tree's carbohydrates? Well carbon dioxide is CO<sub>2</sub>, so trees do pinch carbon and oxygen atoms from the air! And finally, the hydrogen atoms. These came from water molecules — H<sub>2</sub>O — which came either from the ground or the air.

Around 300 years after Jan Baptista van Helmont's willow experiment, we figured out how trees were turning these atoms in the air into solid matter, when we got the hang of photosynthesis. Melvin Calvin won the Nobel Prize for this in 1961. Using photosynthesis, a plant takes light, water and carbon dioxide and turns them into various carbohydrates. Oxygen is also released as a by-product. The energy to turn carbon dioxide into a tree comes from sunlight. Worldwide, trees capture about 130 terawatts of power at any given instant, which is about three times more power than the human race generates at any given instant.

There are two stages of chemical reactions in the most common types of photosynthesis. In the first part, light hits the chlorophyll molecules inside green leaves. The energy of the light activates two different molecules that carry energy. These activated highly energetic molecules are called ATP, and NADPH. (Note, this has nothing to do with "activated" almonds.) Ok, to convert light energy into these charged molecules water is split, releasing oxygen for us to breathe.

Without going into the fine details, the second reaction uses these energetic molecules to effectively join three separate molecules of carbon dioxide to create a new molecule with three carbon atoms. Then these newly created three-carbon molecules combine, to give the carbon rings that are the backbones of carbohydrates -- such as sucrose, starch and cellulose. The result? Practically all of the carbon and oxygen atoms in a tree's leaves, trunk, branches, seeds, and nuts come from carbon dioxide in the air. In fact, each year, plants turn about 110 billion tonnes of carbon into biomass.

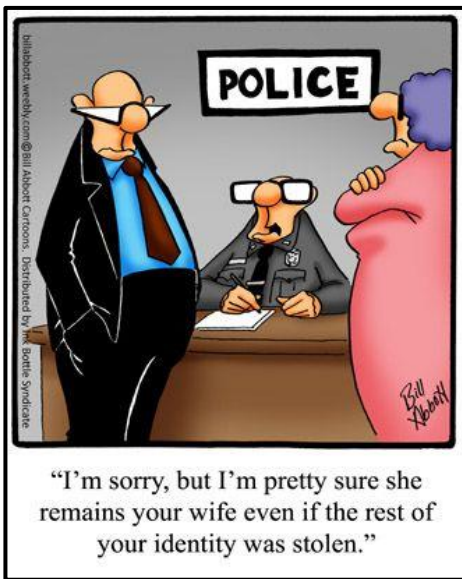
If it's hurting your head to imagine trees growing from air and not from soil, just think about this: does the tree growing bigger generate a tree-sized hole in the ground? No — so most of the atoms that went into the tree didn't come from the soil. Of course, the soil is needed. It acts as an anchor for the roots, and it does provide some nutrients you can't get from air (for example, magnesium, that sits inside the chlorophyll molecule).

Now, just to be clear. Even though trees are made from air, I'm not suggesting you can pass through trees like you pass through air. So, don't let science trick you into bumping into them.

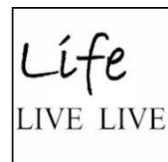
<https://www.abc.net.au/radionational/programs/greatmomentsinscience/>



Puzzles, Jokes & Trivia



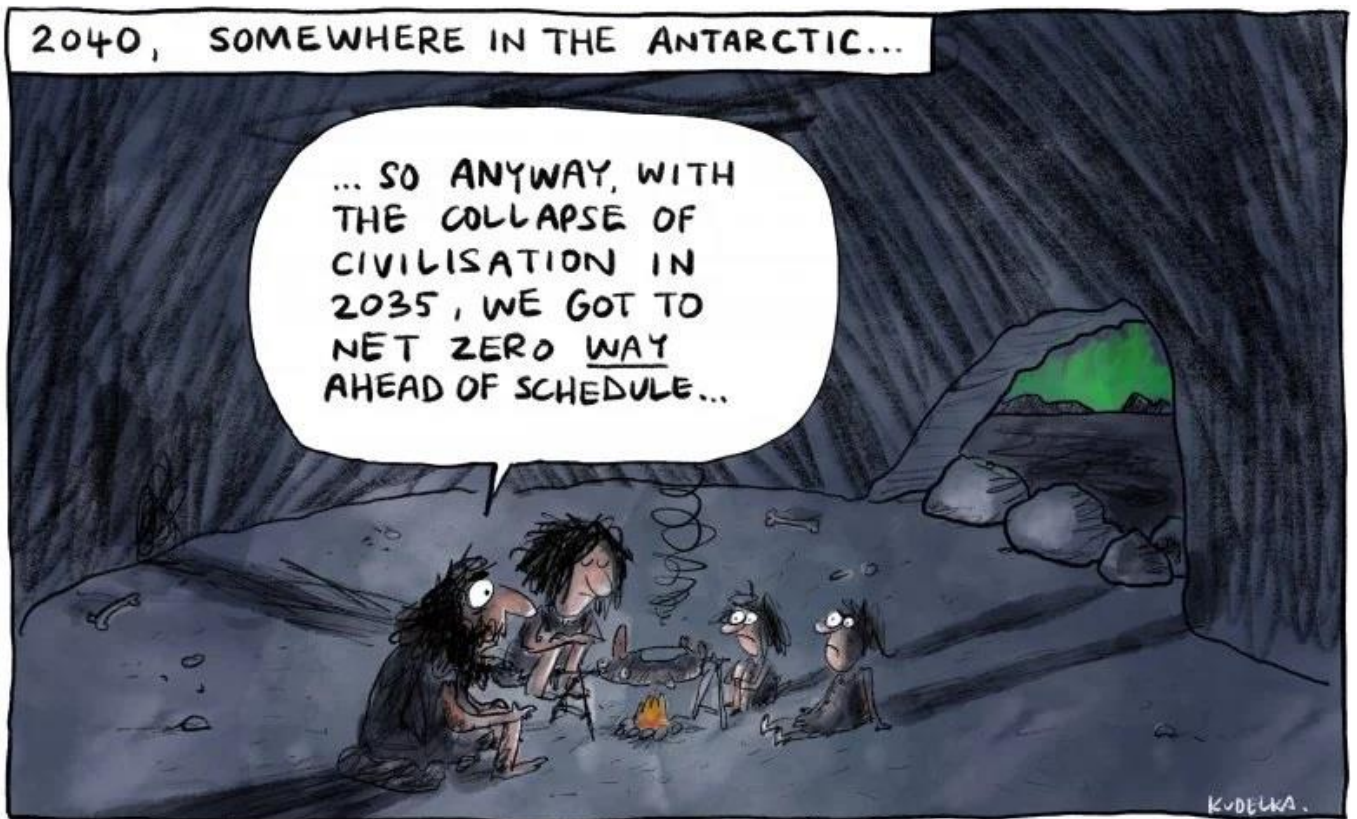
Can you work out the phrase, word or meaning represented by these visual puzzles?



- All Australian Trivia Quiz**
1. What Yacht Club is home to the start of the Sydney to Hobart race?
  2. Which two Australians scored centuries in their 100<sup>th</sup> Test?
  3. On which Australian Island is Seal Bay Conservation Park?
  4. In what month of the year does Tamworth host the Country Music Festival?
  5. In which two Australian cities are there RAN bases at Garden Island?
  6. In which state or territory is Mount Augustus, a rock twice the size of Uluru?
  7. Which two states allowed women to vote in the first federal election in 1901?
  8. What 8000-word letter did Ned Kelly dictate in 1879?

Quiz & puzzle solutions next page

Puzzles, Jokes & Trivia



**HONESTLY, I DON'T EVEN PLAY AN ACTIVE ROLE IN MY LIFE ANYMORE... THINGS JUST HAPPEN & I'M LIKE "OH, IS THIS WHAT WE'RE DOING NOW? OK."**  
 @meme\_the\_sick\_away

**HOW SOON AFTER WAKING UP IS IT OK TO TAKE A NAP?**

**All Australian Trivia Quiz Answers**

1. Cruising Yacht Club of Australia.
2. Ricky Ponting and David Warner.
3. Kangaroo Island.
4. January.
5. Sydney and Perth.
6. Western Australia.
7. South Australia and Western Australia.
8. The Jerilderie Letter.

Visual Puzzles solutions

**One Life to Live  
 Better Safe than Sorry**