



Crosscut

◀ Decorated bowl by Steven Barrett.

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Next Turners Meeting on Monday, 6th August 2018 from 18h00 at the Living Link Hall —
Making a long handled spoon using a split turning and carving – by Trevor
Wood of the Month - Yellowwood

Next General Meeting on Wednesday, the 8th August 2018 from 18h00 at the Living Link Hall – To be advised

News

2nd July 2018 – Turners meeting. Poena Coetzee showed his shop-made articulated hollowing tool. He designed and made it by incorporating ideas from various sources. It uses HSS tips on a selection of tools to provide access inside the workpiece. To help with gauging wall thickness, Poena also made a laser attachment that he showed in action.



Wood of the month – Pterocarpus Angolensis – Kiaat, also known as Bloodwood or Transvaal Teak. Chris van Heeswijk explained that despite being a protected tree that is widely distributed in southern Africa, it is becoming scarcer due to overharvesting. It is good for furniture and turning. It is exceptionally stable with low shrinkage or tendency to crack. It has a distinctive seed as shown by the picture

from Wikipedia



11th July 2018- General Club

meeting. Ken Bullivant showed how to use a hand plane to flatten and square the edge of a board. He explained the principles and showed the importance of the camber on the edge of the blade when trueing up an edge.

Club Notices



Soap box car challenge – Alistair is co-ordinating with Lasher. He needs to know the number of box-cars that will be built so that he can arrange for the required number of wheel sets and axles to be donated.

Target date to assemble the cars is at the Summer Challenge in October 2018. We may be able to take the cars to the Red Bull challenge on 16th September 2018 – more information from the web site <https://soapboxrace.redbull.com/za/en/>



Recognise this man? John Speedy won a prize at Hardware Centre Main Street 30 years ago. John can't remember who on the left is handing him the prize – he may have worked for Record Tools. (Judging by the colours of the box, it looks like the prize was made by Wolfcraft.) ►

Annual subs are due. They remain at R400- for the year. About 40 people still need to pay – expect to be harassed in the near future if you are delinquent! 2018 membership cards will be available at the August meetings for those that have paid.

Possible future visits and courses being considered by the committee:

- **Door Making** – factory visit and demonstration at Greg Hirschon's factory in Robertville – near Austro. Greg will demonstrate how they make a door – Saturday Morning.
- **Airbrushing course** at Vermont, Randjespark, Midrand (near the Olifantsfontein off-ramp). Tuesday, 05th September 2018 has been selected as the most popular date, Bookings closed on the 13th July and final details will be communicated to all those that accepted.

Regular Events:

Monday Morning workshop. (Was toymakers) the first and third Mondays of every month, at 09h00 till 12h00 at the Albertskroon workshop. Meetings will be cancelled if they coincide with a public holiday. Pierre Mouton will open up the workshop – contact him on 083 308 7919 or [pm9917 AT gmail.com](mailto:pm9917@gmail.com).

Ken's Saturday Workshop. Ken Bullivant holds a Saturday workshop at his house in Boksburg. The location is 13 Franklin Avenue, Comet, Boksburg on the first Saturday of the month from 09:00 to 12:00. They decide on an annual project and work throughout the year making it. Individual projects are discussed and problems solved. Ken also offers private lessons too. Contact Ken on 082 809 0020 if you wish to take part.

Friday Morning workshop - Winston Klein will be convening a workshop at the Albertskroon work shop on the 1st and 3rd Fridays monthly from 09:00 to 12:00. Contact Winston at 072 553 5045 or kleins AT iburst.co.za

SPIRIT OF THE WOOD - WOODTURNERS

Offering Woodturning lessons, One-on One Training, Classes and Club, Willing to assist persons with limited physical/intellectual abilities. Contact Johan Kramer on 083 251 0183 or Johankramer300@gmail.com

Saturday meetings

1. First Saturday – Woodwork tool demonstrations - Mike Swart 082 389 3850 mikecellsp.ms@gmail.com
2. Second Saturday of month - Herman will open the workshop – all things turning related – 083-631-0501 hermanpotgieteresq AT gmail.com
3. Third Saturday of month – Mike Swart or Pierre Mouton
4. Fourth Saturday of month – Graham will open the workshop – 082 900 0242 grahamcr AT mweb.co.za

“SHOULD NO ONE ARRIVE BY 10h00 THE WORKSHOP WILL BE CLOSED.”

Please can the conveners complete the attendance register on the bar counter, so we can gauge attendance?

The closing up instructions must please be followed by the convener when leaving. Graham has placed the procedure in prominent positions in the workshop.

Soap-box cars

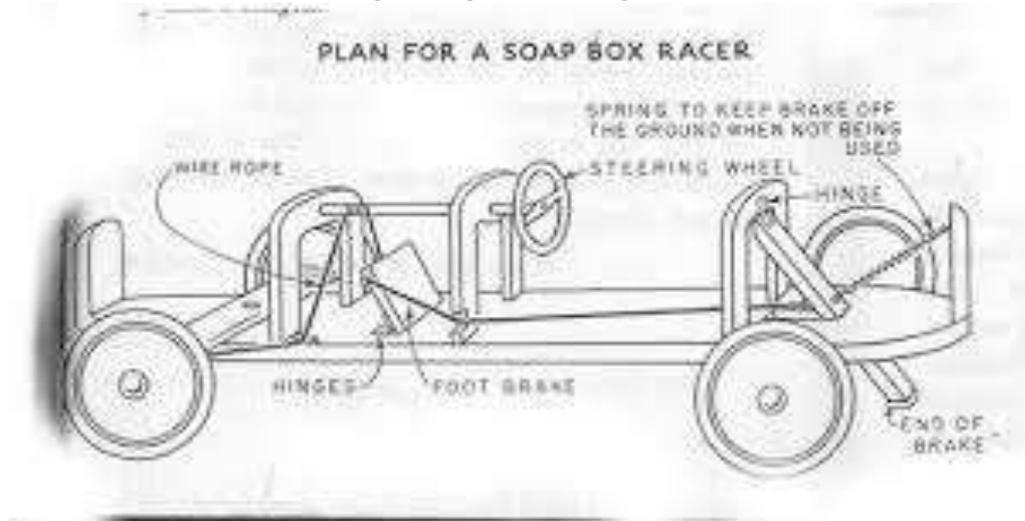
For those who intend to make a soap-box car, you will find lots of material on the internet – search for “soap box car”.

There are some basic safety regulations and guidelines that should be born in mind. These are spelled out below.

It makes sense to source the wheels and axles first as these influence many aspects of the design. If you can source pneumatic wheels, you will find these much better. They are quieter, more comfortable, are more forgiving of uneven surfaces and reduce shock-loads into the chassis.

Basic Red Bull regulations (from <https://soapboxrace.redbull.com/za/en/>)

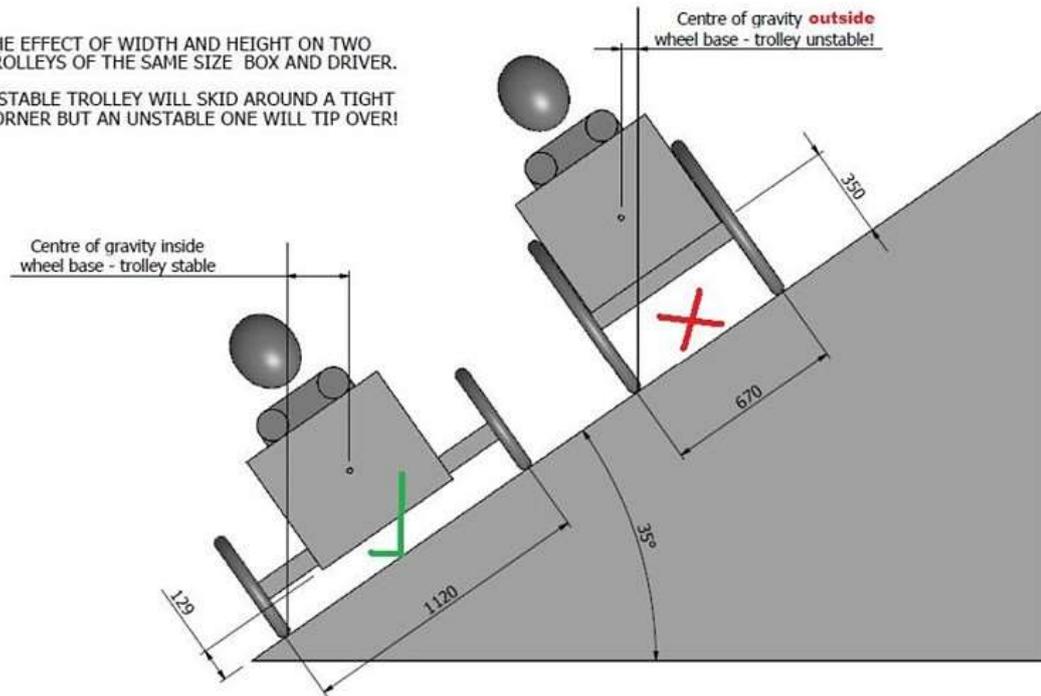
- All craft must be human powered, meaning no engines, pedals or external energy sources.
- Your human-powered racing machine must not exceed a maximum of six feet wide and twelve feet long, be at least seven inches from the ground and no taller than seven feet.
- Fully functioning brakes and steering are required.
- It must not exceed 80kg in weight (excluding the driver, of course).



They don't state it in detail, but some additional constraints on the design are advisable:

- No rope steering. Cables used for steering mechanisms must be able to flex to avoid fatigue failures. Put stops to limit the range of the steering– a 10m turning radius is probably adequate for most courses.
- Brakes must operate on at least two wheels or on the road surface. Brakes must hold the car on a 20° slope, and stop the car in a straight line. The driver must be able to operate the brakes without removing hands from the steering mechanism.
- Slope stability - 35° ramp test – the car must not tip over with the driver seated when placed side-ways on a 35° slope. This also checks the structural integrity of the car and the wheels to ensure that they can sustain these side-ways forces in practice. (Bicycle wheels often cannot resist side-ways forces and may fail this test.)
- Crash safety – avoid sharp edges and protruding screws and nails, even where you think they are out of the way. Young, inexperienced drivers who are prepared to take risks will make mistakes, so make sure they can do this as safely as possible.

THE EFFECT OF WIDTH AND HEIGHT ON TWO TROLLEYS OF THE SAME SIZE BOX AND DRIVER.
A STABLE TROLLEY WILL SKID AROUND A TIGHT CORNER BUT AN UNSTABLE ONE WILL TIP OVER!



See <http://www.mbtrolleyderby.com/rules-categories.html>
<http://missionsoapbox.com/images/Rules2011.pdf>