



# Crosscut

Newsletter of the Witwatersrand Woodworkers' Association

PO Box 411346, Craighall, 2024

With sponsorship from **builders warehouse**

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 Go to <http://mysite.mweb.co.za/residents/tpope/homepage.html> for back issues of *Crosscut*.

**Next Main Club Meeting on Wednesday, the 12<sup>th</sup> December** from 18h00 at the WWA clubhouse at REEA. Bring and braai. Bring any old tools to sell, and a quiz will also be organised.

**Next Turner's monthly meeting is on Monday, the 3<sup>rd</sup> December** at 18h00 at the WWA clubhouse at REEA. Boerewors rolls, auction of blanks and old tools for sale.

## News

**November Main Club Meeting.** John Allen gave a talk on using mortises and tennons for joining wood. He listed the different techniques – mortising with a hand chisel, using a mortising attachment on a combination machine, using a router, and then he showed his preferred way – using a mortising attachment on a drill press.

Roger Matthews showed a clock he made from African Rosewood with a centre highlight, finial and feet of African Blackwood.



**November Turner's Meeting.** Xmas trees made by the turners were donated to REEA to sell at their craft market for Nov and Dec. Judy Harding (Peter Middleton's sister) collected them on behalf of REEA. Humphrey's lorries were also donated for sale at the market. The REEA market is on the second Saturday of each month from 8h30 to 13h00 in the area next to the nursery. The next one is on the 8<sup>th</sup> December 2007.

Viv Martin showed a number of new products offered by Hardware Centre. This included the Woodcut Bowl Saver, which is a system for coring out the centres of bowl blanks. The smaller model has two blades, allowing an additional two smaller bowls to be made from a blank – wood that would normally be turned into shavings is not wasted. Price is approximately R2500-. A video showing how it works was shown. Viv showed a video of the Kelton Hollower ([www.kelton.co.nz](http://www.kelton.co.nz)) with an example tool to inspect. He also showed some finishing products. Of interest was White Spirit (also known as Stoddard solvent in the dry-cleaning business) which is good for preparing oily timbers before painting. He showed some different types of wax and explained how they are blended for the right properties for particular applications. A Supernova2 chuck was donated to the club to raffle – Our thanks to Hardware Centre for this one.

You may have noticed the use of a video camera and projector at the last two meetings – these were donated as they were almost obsolete, but are now being put to good use by John Somersvine to show demos and videos. Paul Moldovanos donated a tripod, which needed an adapter plate for the camera, which Costa has made.

### From the committee:

**Interclub Box Competition.** This took place on Saturday, the 27th October 2007 at the WWA club house, to which the Pretoria and East Rand clubs are invited. However, due to the foul weather, early in the morning, only WWA members turned out, and the weather was fine for the braai. It was still a success. Congratulations to Peter Middleton for winning the prize for the best turned box.

**Annual Braai.** Don't forget the annual braai on the 24 November 2007 at Greenside High. You should have already purchased tickets at the last two meetings (We again made a nominal charge for tickets this year). Lunch will be served at 12h30. Don't forget to bring a salad or pudding – as you indicated on the booking

sheet when you bought your tickets. Bring your own plates, cutlery and glasses. Also, don't forget your name badges.

**Toys for the braai** – don't forget to bring your toys to donate for underprivileged children – the same beneficiaries as last year.

**Hobby-X 2008.** This will take place on the 6<sup>th</sup> to the 9<sup>th</sup> March 2008 at the Dome, Northgate. Thursday, the 6<sup>th</sup> is trade day. It is expected that the Turners will have a stand in conjunction with Hardware Centre the same as last year. In addition, the main club will be doing workshops/demos in conjunction with Bosch. These will follow the same format as the other workshops, such as scrap booking, where the public pay to take part. All materials and tools are provided, and a simple project will be completed, that each participant will be able to take home. Simple hand tool and power tools techniques will be used, such as a jig saw, drill and screw-driver. Demonstrators are required from the members, and this will generate income for the club. Please contact Jenny to volunteer.



**Hardware Centre Open Days.** 01<sup>st</sup> Dec at Boksburg and 02<sup>nd</sup> Dec 2007 at Randburg. Expect the usual suppliers, and demonstrations, and father Xmas, and all.

**Lifts to main club meetings.** There are a few of our older members who prefer not to drive in the dark, so they don't attend our main club meetings. If you need a lift or are able to give a lift to someone, please mention it to the committee, and we will put you in contact.

**Pretoria Woodworking Association – annual exhibition.** Some pictures of work displayed can be seen below. (Please excuse the quality of the pictures! The greenish hue is due to the fluorescent lighting indoors in the hall.)



The pictures show a few of the many pieces on show – ones that particularly appealed to me. As always, the Pretoria club puts on a good show, and I enjoyed some of the new designs – inspiration for further work.

**AWSA Congress 2008.** The 2008 AWSA Symposium is scheduled for 4 – 6 July 2008 at the University of KwaZulu Natal, Pietermaritzburg, KZN, with Clyde Neumann and Winston French leading the organising team. The last two congresses (2006 and 2007) took place in the Cape, which was a bit too far for many Gautengers to travel. Pietermaritzburg is only 5 hours away, so this is a good opportunity. Previously, the Wits Woodworking Association organised the 2005 congress together with the Pretoria club. The 2004 congress took place in Durban. Spend a weekend immersed in wood turning. A good parallel program for spouses will be on offer, so you don't have to go alone. Registration forms are available from the turner's committee members or email the editor. Contact Clyde on [neumann@mweb.co.za](mailto:neumann@mweb.co.za).

**Please Note:**

**Toymakers.** The toymakers will **resume on the first and third Mondays from February 2008**, at 09h00 till 12h00 at the clubhouse. Contact Eddie Marchio on (011) 678-8062 or [renato@pixie.co.za](mailto:renato@pixie.co.za) for more information.

**Wednesday Workshop.** The Wednesday evening workshops will finish for 2007 on the 5<sup>th</sup> December and will **resume on the first and third Wednesdays from February 2008**, from 18h00 till 20h00. Contact Winston Klein on (011) 674-1513 for more information.

**For Sale:**

**Ryobi HBT250 Combination Home Workshop** - Good Condition - including all standard accessories R 750.00

**Ryobi BD513 5 Speed Bench Drill Press** - Good Condition R 300.00

**Ryobi AP13 Planer Thicknesser** - Excellent Condition R 2 075.00

**Ryobi HBG6E 150mm Bench Grinder** R 225.00

**Ryobi CSS1800LL Slide Compound Mitre Saw** R 750.00

**Eurasia WL1000 Wood Turning Lathe** - Brand New - Spare 4jaw chuck and 12 gouges R 900.00

**Eurasia WJ150 6" Jointer** - Second Hand Purchase good Condition R 380.00

All machines come with manuals and have been well maintained and can be viewed at 74 Valerie Ave, Northcliff, Johannesburg  
Contact Walter Kruger on 011 678 6278 or 082 501 4292

**Large selection of wood** including Merranti, Kiaat, Oregon Pine as well as other types of wood. Please contact Raymond Pate in Rosebank, on (011) 788 5804

## Cyanoacrylate glue – for Wood Workers (continued)

Thin CA glue can be used as a wood finish. Its fast drying time and glossy finish make it ideal for small applications which generally look best when glossy (such as pens), although it is messy and somewhat expensive. Don't use an accelerator, which can cloud and thus ruin the finish. One formula used by flute makers is three drops of CA glue to a table spoon of oil applied to the outside. The inside is finished with non-drying oil.

Clogged nozzles from glue bottle tops can be recovered by soaking in acetone for reuse, so don't throw away your old nozzles. When one blocks up, swap it with another and soak it in a jar of acetone.

CA glue is not really suitable for general cabinet making. It is rather expensive and also brittle, not able to deal with small amounts of wood movement that PVA (white) glues can. Even a slow setting variety such as the one on the right takes 30 – 60 seconds – imagine trying to assemble a few joints in that time? Glue-up is nerve racking enough with normal glues where you have a few minutes to adjust everything square.



### Safety – skin contact, eyes, fumes

CA glues bond skin and eyes in seconds. Studies have shown that methyl-2-cyanoacrylate (SuperGlue and KrazyGlue) degrade fairly rapidly upon contact with living tissue. This leads to the release of formaldehyde and a toxic response, killing tissue. 2-octyl cyanoacrylate degrades much more slowly due to its longer organic backbone which slows the degradation of the adhesive enough to remain below the threshold of tissue toxicity. Due to these toxicity issues, 2-octyl-cyanoacrylate is used for sutures.

Cyanoacrylates give off vapor which is irritating to eyes, mucous membrane and the respiratory system. [ACGIH](#) assign a Threshold Limit Value exposure limit of 0.2 parts per million. On rare occasions inhalation may cause asthma. There are a wide variety of adhesives of which different cyanoacrylate formulations may be a component. It is wisest to obtain and consult a manufacturer's material safety data sheet for a product in order to consider the specific hazards associated with exposure.

Although the fumes given off by rapidly setting glue are unpleasant and can trigger short-term reactions including asthma, they don't appear to have any lasting effects. This excerpt from a material safety data sheet states this:

### A Material Safety Data Sheet listing for SuperGlue:

Health Hazard Acute and Chronic:

Acute: **IRRITATES EYES, MUCOUS MEMBRANES.**

Chronic: **NO RESIDUAL AFFECTS OF ACUTE PROPERTIES.**

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexposure: SEE HEALTH HAZARDS.

Med Condition Aggravated By Exposure: PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

I haven't been able to establish exactly what the fumes consist of. It has been suggested that cyanide is a possibility, given the chemical composition of CA, however this can be discounted as the distinctive smell of cyanide (burnt almonds) is absent.

CA will set at different rates, depending on the conditions and formulation. When using CA glue on the lathe, it is important to remember that not all the glue may set instantly, and when starting up again, some CA may be flung off the work-piece, and it can get into your eyes.

You should always wear eye protection anyway when turning. My safety glasses have a few spots of CA on them as a warning. Always use eye protection with CA, as a drop in the eye will bond it closed almost instantly. Fortunately, this is not permanent, as apparently within two to three days, the glue will release from skin and the cornea, due to the surface chemistry. No attempt should be made to force open the eye, as this could cause damage – rather let nature take its course.

As we will all have discovered by now, skin is bonded almost instantly by CA glue. Don't attempt to pull away, lest you cause damage. A number of solvents such as acetone contained in nail polish remover will remove the glue. Apparently some oils such as citrus oils will also debond CA, albeit more slowly, but may be more acceptable than acetone. Proprietary de-bonders such as the one on the left are available.



Sources:

- [www.wikipedia.org](http://www.wikipedia.org),
- Steven D. Russell on rec.crafts.woodturning and on his own web site at [www.woodturningvideosplus.com/cyanoacrylates.html](http://www.woodturningvideosplus.com/cyanoacrylates.html)
- [www.woodcentral.com](http://www.woodcentral.com),
- [http://ipmsstockholm.org/magazine/2004/10/stuff\\_eng\\_tech\\_ca\\_glue.htm](http://ipmsstockholm.org/magazine/2004/10/stuff_eng_tech_ca_glue.htm)