



Crosscut

Newsletter of the Witwatersrand Woodworkers' Association
PO Box 411346, Craighall, 2024

Multi-centre turned bowl by Butch Smuts

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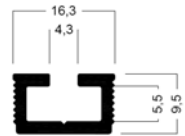
Next Main Club Meeting on **Wednesday, the 13th August 2008** from 18h00 at the WWA clubhouse at REEA. Konrad Newmann will be showing the Fein tool product range.

Next Turner's monthly meeting is on **Monday, the 4th August 2008** at 18h00 at the WWA clubhouse at REEA. Andrew Riley will demonstrate how to turn a sphere on the lathe.

News

July Main Club Meeting. Clive Stacey showed some workshop hints which will be reproduced in Crosscut next month. The extrusions mentioned in one of the items are available from Octanorm Extrusions (011 433 2010) at R31-00 + vat per metre and comes in 5 metre lengths (Thanks to Ken Mutch for this info.)

This was followed by a discussion on methods of butt jointing two planks side by side.



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July Turner's Meeting. Chris van Heeswijk talked about Liquidambar Styraciflua, also called Sweet Gum, which is grown in gardens for its striking autumn colours.

A DVD by Richard Raffan on making turned boxes was shown. Richard Raffan is well known for his turned boxes, and made them in production quantities for many years. The speed at which he makes them in the video is deceptive – many years of practise are reflected in his quick movements. Most of us will take a lot longer to make one. He did have a few hiccups due to defects in the wood and showed how to work around them, which made the video most useful. The Turner's project for August is the second part of a gavel, namely the head and anvil.

From the committee:

Nick Arnall gave a demo on Thursday 10th July at the clubhouse, entitled The Celestial Bowl. Nick was the guest turner at the AWSA conference that took place in Pietermaritzburg. Nick is an accomplished demonstrator and good teacher, who explains well, and even the more experienced turners enjoyed his demo. He trained as a stone mason before moving into architectural turning, which is his bread-and-butter. His fine art pieces reflect his fascination with colouring and embellishment, and when you see them in the wood, you will be surprised at how small they are, which is a reflection on the fineness of the detailing.



Spring Challenge is on Saturday, the 27th Sept 2008 (the 24th is the Heritage Day public holiday). The turners will stage an exhibition of hollow forms with a prize for the best one judged on the day. There will also be a turning challenge and a bring-and-braai, starting from 11h00 onwards.

The challenge on the day will be to turn a mushroom in an allocated time so you must bring the tools you would use to turn a mushroom.

Clubhouse Lease. Approval was given by the meeting for the committee to renew the lease for the clubhouse for at least another year.

Subscriptions. Annual subscriptions are overdue. If you haven't paid, you should get a personalized reminder soon.

Small Stool Design Competition.

Several members submitted designs and prototypes, which were shown off and discussed. Last chance for your designs is the August meeting – please bring all your prototypes in August.

A prize of a belt sander will be awarded to the best design.

Designs will be judged according to the following list of criteria:

Robustness and strength, ease of manufacture, cost and appearance.

Stack ability is desirable, and solid pine should be used.

AWSA Congress. This was two and half days of submersion in woodturning. I learned a lot and came away with many new ideas for techniques to try. The gallery was of a particularly high standard this year. I took many pictures, three of which are shown on the right. The upper triplet shows some work by Andrew Riley who has been experimenting with a marbled finish. Below is a bowl by John Wessels who gave two talks on embossing and casting of pewter – this bowl shows both techniques. The bottom picture shows the practical nature of John's talk. The ugly cast iron pot is heating up over a gas ring where he is busy melting some pewter to cast into a simple wooden mould. He then turned the cast piece on the lathe. In the background can be seen the video screen showing a close up of the demo.

Also, congratulations to Wally Rossini who won the "John Wessels' challenge" for a turned piece not bigger than 150mm with a very delicately carved piece. It was a hollowed sphere that resembled a Saturn-like globe. Well done Wally!

East Rand Woodworkers Association are holding their annual Wood faire at Timbercity East Rand on 6th Sept 2008 from 08h00 to 14h00

Mentors. Several members offered themselves as mentors, and members are encouraged to contact them to gain the benefit of their experience. A list will be posted on the notice board, together with contact details.

Please Note:

Toymakers. The toymakers meet on the first and third Mondays of every month, at 09h00 till 12h00 at the clubhouse. Contact Eddie Marchio on (011) 678-8062 or renato@pixie.co.za for more information.

Wednesday Workshop. The Wednesday evening workshops are on the first and third Wednesdays of every month, from 18h00 till 20h00. Contact Winston Klein on (011) 674-1513 for more information.



For Sale:**Large Machinery:**

Triton Mk3 series 2000 work centre with Triton stand and wheels – R3700-
 Triton Router table top. R1250-
 Circular saws. Makita Model 5760 8" (203mm) diam 1100W with tungsten tip blade to match Triton setup above R1750- Festo ATF 55 EB 1200W Multi-material control. R4000-
 Festo Tooltechnic 800 Table. Consisting of profile frame and angular feet, perforated panel, foldaway legs, FS 800 Guide swivel segment, 1 stop ruler and clamp. R4600-
 3 Festo FS1400 Guide rails R800-
 Contractors Saw table – Rockwell 9" with cast iron top and 6 x 190mm side extensions. (Deluxe model) R2000-
 Tenoning jig to fit into grooves of above saw. R600-
 Radial Arm Saw. DeWalt 7740 10" with tungsten tip blade. R2000-
 Thicknesser planer. Elektra Beckum HC260E (800 x 280 table top) with mortising attachment and chisel drills (New R18000-) R9000-
 Bandsaw. Inca (Swiss made) with 270mm throat. R1000-
 Dust extractor. Elektra Beckum SPA 1300, with pipes to fit Elektra planer thicknesser and Delta Contractors saw. R3000-
 Compound Mitre Saw. Ryobi model TS220. R1750-
 Compressor. ABAC 1.5 hp, 24l tank with hoses. R750-
 Pantograph letter/ router guide R250-
 Emery wheel. Hunter heavy duty ¼ hp 150mm diam, with wheel dresser. R250-
 Drill Press. Record with mortising attachment and 3 mortising chisels R1560-

Portable power tools:

Cordless Drills. Makita Martel MT 064 14.4V with 2 batteries. R900- Ryobi 14.4V Model CBD1425 VRK 10mm chuck, with the two batteries. As new. R395- Einhell 18V 10mm BAS 18. 1 battery. As new. R150-
 Electric drills. Metabo SBE505 550W 13mm chuck. R800- Bosch PSB420 10mm. R200- Ryobi Handyline HID600VR 13mm, 600W Impact. R300- Metabo SBE1000/15 – R+L 16mm Impact. R900-
 Vacuum Cleaner. WAP XL25 Turbo. R3000-
 Routers. Ryobi CR1 1000VT, as new. R500- Festo DF 900E. R2500- Metabo DF E 508 R2500-
 Router cutters. ±60 bits + panel cutter R800-
 Jigsaw. Festool PS6 300EQ. R2100-
 Triangle sander. Festool DX93E-plus. R2200-
 Random orbital sander. Makita 125mm BO 5021. R1000-
 Orbital Sanders. Festool RSM4. R400- Bosch PSS 180AC. R250- Bosch PSS 240A. R280-
 Belt Sander. Elu. R600-
 Biscuit cutter. DeWalt. R2100-
 Dovetail router jig. R300-
 Electric Blower. Ryobi. R250-
 Foot pump for air nailer. R80-
 Air brad nailer Testo BN1850 18G with hoses and nails. R1250-
 Air stapler. A plus UG 80/16 with hoses and staples. R600-
 Electric Hand planer. Makita model 19238 600W. R1800-
 Spray gun, gravity feed. 0.60 l FRAM. R300-
 Hot air paint stripper. Black and Decker HG991 R150-
 Hot glue gun – Bosch

Handtools:

Lamello Clamping system. Straps and corner pieces. R300-
 Diamond router sharpener. Quick sharp. R60-
 Glue applicator. 5 in 1. R20-
 Respirator. Airlite powered anti dust, battery operated. R400-
 Vices. Record engineering HV100. R300- Zyliss. R1800- Portable adjustable vice/work table R300-
 Trestles. 2 x Record adjustable, one with roller. R150- ea
 Hand planes. Stanley Bailey 24"/600mm R800- Stanley Bailey #3 R400-
 Spokeshaves, Scrapers, Handsaws,
 Doweling jig. Stanley 04-059 R300- Revolving Turret – General No 840 R200- Triplex (French made) R250-
 Caulking guns x 2 Stainless steel R15- ea
 Vernier Caliper in wooden box. R100-
 Tube cutter. General No 125 pipe cutter. R50-
 Diamond stone – DMT red in box. R300-
 Sash clamps – various lengths x 14 R215- to R360- ea
 G Clamps x 4 R140- ea
 Record hold down clamps x 6 R145- ea
 Toggle clamps x 2, Vice clamp, Quick clamps x 8, Corner clamps x 8
 Squares, Angle squares, Steel rulers, Spirit levels, Tape measures, Rulers
 Ring / flat spanners, Flat spanners, Shifting spanners, Pliers, Side cutters
 Hole cutters x 5, Set of hole cutters in a steel box, Various files.
 Fire extinguisher.

Being an avid woodworker for nearly 60 years, I have now come to a stage in my life where I feel I can no longer carry on doing woodwork as a result of two unsuccessful cervical spine surgeries (I have lost the power in my right arm as a result.) I am probably looking at a third operation in the coming month. I am therefore offering the contents of my entire workshop for sale. As most of the machinery and tools are of above standard quality, I am offering it to the members of the Wits Woodworkers Assoc. for first refusal. I used to be a member of the association until about 10 years ago. I can be contacted at Ekospasie Verre Wesrand, Jubilado Aftree-oord 90, Bloubergstraat, Krugersdorp. **Tel/Fax 011-954-3467 083 733 9424**

J.C. (Boet) Marnewick. Please phone for an appointment.

TIMBER Rough sawn Imbuia and Pau Marfin - approximately 4.5 cubic metres of each. The Imbuia is in lengths of about 2 metres, 25mm thick and between 15 to 35cm wide. The Pau Marfin is in lengths of about 3 metres, 30mm thick and between 12 to 30cm wide.

FELDER B5 combination machine. Cutter, planer, thicknesser and turner + feeder

SPARTAN 600 lathe

For further information, either contact Cheryl le Roux on cheryl@sadirect.tv or Mae le Roux on 012 807-7810.

Solvents for the Wood Workshop

Trevor Pope

[Continued from last month]

Methyl Ethyl Ketone

Methyl ethyl ketone (MEK) also called Butanone is a colorless liquid with a sharp, sweet butterscotch odor reminiscent of acetone. It is widely used in paints and as a carrier for various resins. The chemical formula is C_4H_8O . It is a polar solvent that will dissolve many substances and will quickly evaporate. It occurs naturally, being produced in small quantities by trees, fruit and vegetables. It freezes at $-86^{\circ}C$ and boils at $80^{\circ}C$. It is highly flammable, but only slightly toxic. It is not considered dangerous, except in large doses.

Petrol

Petrol is commonly used as a solvent for motor car repairs, because it is readily available. However, it is not a good choice, due to health and safety issues. Petrol is a blend of many of the above hydrocarbons which varies according to the origins of the feed stocks used to produce it and the intended usage. Petrol typically contains: Benzene: up to 5%; Toluene: up to 35%; Naphthalene: up to 1%; Trimethylbenzene: up to 7%, MTBE: up to 18% and about 10 other ingredients. Many of these have been discussed previously, so you can see what the properties of these are. Petrol is highly toxic in both liquid and vapour forms. Many of the compounds are known carcinogens. It is highly volatile, and highly flammable, with low ignition temperatures, and high energy yields. These properties make it a good fuel, but not a good solvent for use in the workshop. The energy density of fuels such as petrol is very high, which is desirable for motor vehicles. The power delivered into your fuel tank while you refuel your car is equivalent to 8MW, which is very high, when compared to your household electricity supply of 60A at 230V = 14 kW at maximum.

In addition, petrol contains a dye for identification, and some blends contain anti-knock additives which are also harmful. In the past petrol contained a lead compound called Tetra-ethyl lead to improve the octane number, to make it more suitable for use in high performance engines. TEL was banned in South Africa in 2006, and an alternative called MMT was introduced for lead replacement petrol. MMT is also controversial as it contains manganese which is also poisonous, but it is not as bad as lead. In South Africa and elsewhere, ethanol is also added to petrol, which has the effect of improving the octane number and reducing some pollution due to better combustion. Ethanol can introduce additional problems due to being miscible with water, which can cause corrosion problems. The freezing and boiling points of petrol are carefully controlled depending on the target market and time of year. In cold countries and in winter, higher volatility components are used to improve combustion at low temperatures. Conversely in warm climates and in summer, low volatility components are increased to reduce evaporation and the possibility of vapour locks in fuel lines.

Paraffin

Paraffin, commonly called Kerosene outside of Britain and South Africa, is a hydrocarbon liquid with compositions of $C_{12}H_{26}$ to $C_{15}H_{32}$. It has a boiling point of between $150^{\circ}C$ and $275^{\circ}C$. It is a non-polar molecule that is mostly un-reactive – for example it can be used to safely store reactive compounds such as white phosphorus, which is immersed in paraffin to prevent contact with atmospheric oxygen. It does burn and is widely used as a fuel, such as jet fuel, usually called Jet A1. It can be used as a solvent and as a lubricant, such as for thread tapping and metal cutting. It is poisonous if ingested, and is particularly dangerous if it gets into the lungs. However, in normal use, it is safe. Avoid skin contact, as you would with any mineral oil. There is a form called liquid paraffin that has medicinal uses, being swallowed to alleviate constipation. It can also be used as a finish for wooden items intended for contact with food, such as salad bowls.

