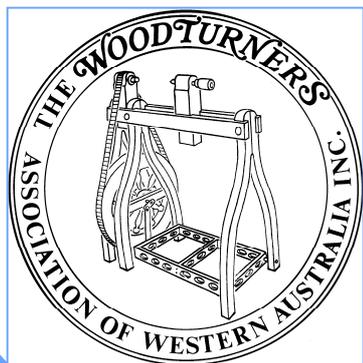


The Woodturners Association of Western Australia (Inc.)



NEWSLETTER ISSUE 180 SEPTEMBER / OCTOBER 2015

A selection of work from Collie's monthly group competitions



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Closing Date for Edition 181 : Monday 26th October 2015

www.woodturnerswa.com

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Refer to last page of newsletter

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Group Meetings

AVON VALLEY

Wool Pavilion Showground Toodyay
Sunday & Wednesday 8.00am—11.00am (Summer)
9.00am—12 noon (Winter)
David Doye, Convenor 0403 294 181

BUNBURY

Cnr Thomas & Hislop Street, Bunbury
9.00am to 12.00 noon Tuesdays
7:00pm 1st Wednesday of month
9.00am to 2.00pm Thursdays
Tony Mellar, convenor 9795 6016

BUSSELTON

Agricultural WA Building cnr Queen St & Marine Tce,
(Most) Tuesdays 9.00am to 3.00pm
Thursday 9.00am to 12 noon
7:00pm 2nd & 4th Wed., 10:00am - 4:00pm Sat.
Dennis Haddon, convenor 9752 1235

COLLIE

Clubrooms -cnr Witnoom & Steere
Wed 9:30am - 3:30pm
Month Meeting on the last Sunday
Domenic Italiano 9734 1853

GOSNELLS

Southern River College, T&E Building,
Southern River Road, Gosnells
12:15 to 4.15pm Wed., 6:30pm - 9:30pm Thurs.
Laurie Sutton, convenor 9458 6996

JOONDALUP/WANNEROO

Heathridge Leisure Centre, Sail Tce, Heathridge
2nd & Last Monday 7:00pm
Frank Visser, convenor 9249 8937

MANDURAH

Baden Powell Hall, Cnr. Elizabeth & Anstruther Sts
Thursdays: 6:00pm - 9:00pm
Harry Butler, convenor 0412 484 048
www.mandurahwoodturners.com

MANJIMUP

The Shed, Timber Park.
Wed. & Thurs. 10.00 - 2.00 & Sunday 11.00 - 3.00
Dot Jacobs, convenor 9771 2824

MELVILLE

Melville Rec Centre, Cnr Stock Rd & Canning Hwy
9:00am Wednesday
Roy Lundy, convenor 9444 8680

MUNDARING

Old Parkerville Primary School, Dura & Riley Rds, Par-
kerville 2:00 to 4.00pm Wednesday
Barry Wright, convenor 9298 9672

SWAN

Swan Senior Citizens Centre, The Avenue, Midland
2nd Tues. 7:30pm 1st, 3rd, 4th & 5th Tues. 1:30pm
Richard Barkman, convenor 9295 4438

WANDI

Wandi Community Hall, DeHaer Rd, Wandi
7:00pm 1st & 3rd Thursdays (Gen. Meeting & Demo)
Tuesday 8:00am - 12 noon & 6:00pm - 9.00pm
Wednesday 8:00am - 12 noon & 12 noon - 4:00pm
Bill Younger, convenor 9419 1862

Presidential Pronouncements

I hope you have avoided the winter lurgies that have been about. Some members of the COM have been laid low at different times and I've just about recovered from the one somebody must have shared with me. I can tell you that it's waste of time sitting in front of the computer and trying to concentrate on what you're doing while coughing your lungs inside out!

Another busy period with lots happening among the groups. Mandurah have been handed the keys to their new premises and have been busily setting the shed up. Gosnells are now well settled in their new home. Two weekend workshops – Swan and Joondalup-Wanneroo. The Wood Show. Now coming up to the Wandi workshop and AGM then, before we know it, the Royal Show. I know many of you have group commitments as well as the WAWA calendar of events. I haven't had a free weekend since July and can't see one coming up again till November! Good job I'm enjoying it all.

On the subject of weekend workshops, it is both concerning and disappointing that both Swan and Joondalup reported low attendances. Concerning because this seems to be a trend, disappointing because both groups put a lot of effort into organising interesting workshops. We will have to wait to the end of the year to see if it is an overall trend but I can only encourage all members to make more of an effort to attend weekend workshops because of what they mean to the association. The workshops are an integral part of what WAWA stands for and offer the main means of association-wide fellowship and networking for members. I understand that members may not be able to attend every one but it would be nice to see more people making the effort.

The Wood Show was an eye-opener for me, being the first time I've attended one. An impressive display of items from the groups and of competition items that was the result of much hard work and effort by Bruce and Sam Jackson. An equally impressive display of items for sale by the shopping centre crew. Harry Butler and Chris Paplinski attracted a number of fans with their demonstrations throughout the three days of the Wood Show. A big thank you to all who contributed to setting up and looking after the WAWA stand.

I remind you that the Wandi weekend workshop (Saturday 19th September) also includes a Special General Meeting and the AGM. It also marks the 30th anniversary of the founding of the association by a group of people meeting at McQueen's Caravan Park at Eneabba on 21st September 1985. There will be some memorabilia and photos on display and older members are invited to bring along photos or prize-winning turned pieces from the early years for display. I invite ALL members to come along and help celebrate this occasion.

I will take this opportunity to thank all the COM members for their contribution of time and effort over the past year, in particular Kevin Cheetham, David Rechter and Noel Moyes, all of whom are standing down this year after many years of service to WAWA as COM members. As you will note from the Returning Officer's Report, we welcome Norm Hoskin from Bunbury as a new member to the COM. You will also note that there are still two vacancies after the close of nominations in July. It is the intention to call for nominations from the floor at the AGM to fill those two vacant positions. Please consider putting your hand up because it will enable the COM to operate more effectively with a full complement of members.

Andrea McCandlish, President

“There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.” Albert Einstein

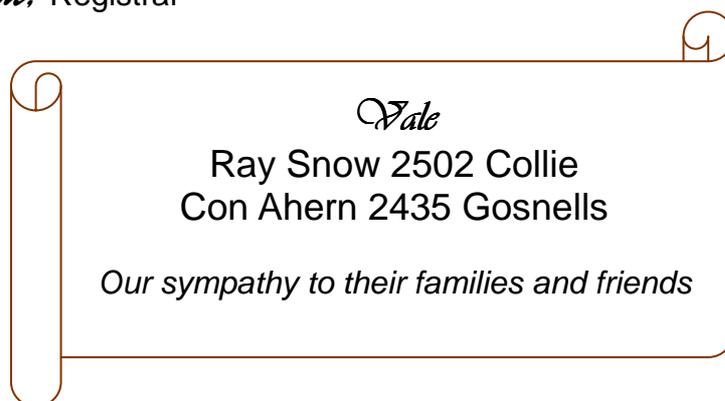
Registrar's Ramblings

New Members

We would like to welcome the following new members to our Association:

Mary-Ann Oliver 2857	Melville	John Tinsley 2864	Bunbury
Vikki Gates 2858	Melville	Jonathan Flower 2865	Bunbury
Ann Morrow 2859	Melville	Alexander McLachlan 2866	Melville
Robyn Wade 2860	Wandi	Kuan Chen 2867	Melville
George Lines 2861	Swan	Desmond Johnson 2868	Swan
Graham Collins 2862	Bunbury	Lisa Wilson 2869	Wandi
Arie VanVeen 2863	Bunbury	Lucy Barry 2870	Busselton

Kevin Cheetham, Registrar



Editor's Epistle

There has been a lot of contributions for this edition, for which I thank the contributors. However, I've had to spend considerably more time than usual editing and proofing to keep the text content within reason.

A reminder to contributors— please try to keep the text content to one page of 12 point font and PLEASE do not embed photos in the document, send the photos as separate attachments so I can Photoshop them as necessary.

Andrea McCandlish Editor

Roving Reporter

WEEKEND WORKSHOP OBSERVATIONS: SWAN

MC Joe Clark introduced Ted Stewart-Wynne, Convenor Swan Group, who welcomed everyone along, explained the format for the day and introduced the first demonstrator, Vaughan Richmond. Vaughan gave an overview of what he was going to demonstrate. Vaughan went straight into his presentation titled 'Nice Bottoms' and advised that the bottom of a piece of work and the failure by the turner to make a 'better bottom' by cleaning up the base, was a bug bear of his. He went onto explain and demonstrate how he ensures that his work is properly centred by drilling a hole into the centre of his face plate. A thread is cut into the hole and a bolt is then screwed into it. The bolt is then ground down to a pointed end which sticks out from the front of the face plate. The timber is screwed onto the face plate, the marked centre is lined up with the machined centre ensuring that the work is properly centred.

Vaughan also explained that he uses a variety of wood screws which are painted in different colours is used to represent a different length of wood screw. Vaughan reminded us all that the

use of hot melt glue on wet timber was not a good idea as it would prove difficult to hold the work on the lathe. Vaughan then mounted a piece of scrap timber onto the face plate using four wood screws, mounted it on the lathe and squared up the piece of scrap timber. A small indent was created into the face of the timber block which, according to Vaughan, makes the working piece stick better to the waste piece. A nice piece of she oak blank was then stuck onto the scrap piece using hot melt glue. Vaughan then talked about the actual shape we want to create in our work. He then demonstrated his technique used for sanding for which he uses a backing sheet of rubber or similar material which gives him good flexibility. Vaughan also demonstrated the use of a profile gauge, a tool all of us would like to have I think. He set the gauge against the back of the platter then inverted the gauge to determine where and to what shape he needed to turn the face of his scrap piece of wood. Next Vaughan demonstrated a soldering iron with a small piece of metal attached to the end of it used to melt the hardened glue holding the piece. When turned on this caused the soldering iron to act similar to a hot knife.

After morning tea Vaughan moved into the second phase of his demonstration which he had called the 'Midas Touch'. This was introduced by explaining and then passing around two pieces of work. One had been painted with acrylic paints and the other had been coated in gold leaf. Vaughan explained he uses both gold leaf and copper leaf and both come in a booklet form.

To apply the copper or gold leaf to the work Vaughan showed the brushes that he uses. He uses only good quality ones which can sometimes cost up to \$60.00. Vaughan then introduced the products he uses to apply the leaf to the work. He uses a Winsor & Newton, Japan Gold Size Oil Colour which can be purchased at Jackson Drawing Supplies or on the Winsor & Newton website www.winsornewton.com Vaughan then remounted the platter he had turned and applied the Winsor & Newton size to the area. Prior to applying the Size he diluted it with a small amount of white spirit. The size was applied to the area that he wished to attach the gold leaf to. He informed us that you needed to have the size achieve a tacky consistency as this works best in holding the gold leaf to the work. Once the size was tacky he used static electricity obtained by rubbing the brush in his hair and then placing the brush onto the gold leaf. Once the leaf stuck to the brush he moved it over to the platter and smoothed over the edges best described as like applying wall paper to a wall. Vaughan then showed the acrylic paints he uses to paint a pattern onto the gold leaf. He advised it was best to leave the platter for at least two days to properly allow the size to dry. Given that he was demonstrating with time constraints, he used a hand held hair dryer to dry the gold leaf. The paints, like the brushes, were quality acrylic paints purchased from Jackson's Drawing Supplies. Prior to applying the paint Vaughan coated the area he did not want paint to go with a latex compound 'Art Masking Fluid' also readily available from Jackson's Drawing Supplies. Then using a small palette he placed a small amount of different coloured acrylic paints and using his fingers he mixed colours at random, turned the lathe onto a slow speed and applied the paint over the surface of the gold leaf. He used water and a sponge to make different patterns and mix colours together. He then showed how easy it was to simply use a sponge coated with water to wipe all the paint away if you did not like the effect. Once wiped away you could simply put your fingers into the paint and try again. Vaughan passed around the platter with the acrylic paint applied and asked everyone not to touch the paint as finger marks would be left.



After lunch Joe Clark introduced the next demonstrator, Ian Moss. Ian's demonstration was titled 'Animal Farm'. During the introduction of his demonstration Ian advised that he had been approached by his daughter and that she was armed with a couple of photographs of a

monkey. He was asked by his daughter if it would be possible to make this monkey on the lathe. Ian then introduced a cute little wooden monkey complete with arms and legs that were capable of hanging onto things just like a real monkey would. The Monkey that was made was passed around for everyone to look at along with a cute little duck and a hippopotamus with a very large mouth. Ian explained how these various animals were made and then introduced the Owl that he was going to make during his demonstration.

The first part of the demo was the making of the eyes of the owl. Ian explained how he went about this process and then mounted a small piece of jarrah onto the lathe using a scroll chuck. The piece of jarrah was brought down to round, had a hole drilled down the centre of it and then Ian placed a length of dowel into the hole.



Ian then advised that the glue he was using was known as Dorus Express PVA adhesive. It was available in Malaga and that he was using it because it set very quickly. Then using the same method as previously demonstrated by Vaughan Richmond, Ian mounted a piece of pine brought it down to the round and then developed the shape for the body of the owl as seen in the photograph of the owl. Having finished the shape of the body Ian drilled a hole in the end of the body that was to be attached to the head. The hole was completed using a forstner bit and was required so a magnet could be inserted into the hole. This magnet would link with the magnet which would later be placed into the head, so both the body and the head could move around and be set at different angles. Ian advised he originally used grey ferrite magnets however he soon changed to rare earth magnets as they were found to be better. With the body completed Ian moved onto the head and he passed around two blocks of wood. The blocks had pencil lines on them indicating where the eye sockets for the head of the owl were to be cut. Ian

advised that he had tried both a scroll saw and a bandsaw to cut out the eye sockets and found that the bandsaw did a much better job.

The last demonstration of the day was by Doug McDiarmid and it was on the use of 'Embellishments' to enhance wood turned items. Doug explained how his visit to the Collaboration 2014 Workshop in October that was held in Bunbury and in particular the demonstrations put on by two of the overseas artists namely, Jacques Vesery and Bihn Pho who both came from the United States of America, had inspired him to pursue new areas of using embellishments to enhance wood turned items. He called it 'Burning Your Turning'. Doug was using some cherry wood from America and he explained how this wood was very good for both end grain and side grain work. Doug said how he had played around with a number of other types of wood, namely pine, she oak and jacaranda. He also explained how he had been inspired by a person named Peter Lane who had created a lot of texturing type embellishment using rotary grinders and a number of carving tools. The use of wood burning tools was another method he had used after watching a person named Graham Criddle from New Zealand. This was also enhanced by the use of pyrography burning tools which gave the wood either a shading or a drawn embellishment.

Doug then explained that after much tinkering with different things that he much preferred the method of carving and burning the wood to create a lot of different embellishment techniques. He used a tool which had a dial attached to it that allowed him to regulate the temperature. Doug explained how he has made his own burning tips using Nichrome Resistance Wire. This wire is also used for wiring heating elements and consists of 80% nickel, 20% chromium. - Resistance 13.77 ohm per metre.

Using a burner that had wire shaped like a very small mosquito coil, Doug demonstrated the

technique of burning shapes into the wood using a piece of pine. He used this coil tip to demonstrate both a circular effect and a basket weave effect. Another form of branding using wire coiled into a spring like shape gave a leather look and a lacing look. The small loose and charred pieces were brushed away using a wire brush. Doug pointed out that 'Miama Gems sell a gem working brush and this is also good for cleaning away the charred bits.

Doug then went onto to explain a technique he had picked up from Jaques Veserey where after burning the effect into the wood, Jaques used acrylic paints to add colour to the shapes he had created. Doug explained how he uses a deerforth brush which is available for Jacksons Art Supplies and indian ink to create several visual effects. He said a toothbrush can also be used to apply the acrylic paint to very good effect. Doug also explained how he uses raps or riffler files as they are better known to also create very good effects on the timber pieces.



At the conclusion of the demonstrations the competition results for the hollow vessels were posted and there were a total of twenty five entries across all three classes. The standard of work submitted was very high and no doubt it presented the judges with a difficult job of determining the winning entries. At the conclusion of the presentations, Frank Evans one of the Judges for the day delivered an interesting critique on two of the entries. The two entries he choose were the winning entry in the advanced class which had been entered by David Rechter and the winning entry in the popular vote which had been entered by George Parke and had finished second in the advanced class. Frank explained how he and the other judges had reached their decision regarding both pieces. Frank also gave an in depth account of what he looks for when judging pieces.

WEEKEND WORKSHOP OBSERVATIONS: JOONDALUP-WANNEROO

Master of Ceremonies Frank Visser opened up proceedings by welcoming everyone to the venue on a rather cool morning. Frank explained that this was the first time their club had used this venue and he apologised for the lack of heating but assured everyone that things would warm up as the day progressed. Frank then introduced the various trade stands, P Square Agencies, Allen Williams Abrasives, Bruce Jackson Wood Sales, Graham Turner Licensed Collector of Burls, Beyond Tools and Ray Woodcock Tools.

The Mayor of the City of Wanneroo, Tracey Roberts, was introduced and welcomed everyone to the City. Tracey explained how as Mayor she receives many invitations to attend different functions and when the invitation came to her from the Joondalup Club she told her staff she simply had to attend this one. Tracey outlined her love of creativity and her passion for seeing people turn wood into beautiful things.

Frank then introduced the first demonstration for the day - Graham Turner. Graham introduced himself and how he first got into woodturning. He passed around a few samples of burls that he had turned previously and then explained how he was going to demonstrate turning a burl collected from the Goldfields area. Graham indicated that he turns almost all of his burls when they are still green and usually only recently having been taken from the tree. He has found through turning many burls that he gets best results by firstly turning it to a rough shape, then wrapping it in plastic and leaving it for a few months to dry slowly by itself. A question was asked regarding cracking of the burl using this method and he stated that only about 1 in 50 of his burls had cracked. Prior to turning the burl Graham reminded us all of the need to exercise caution when turning burls and ensuring that a good method of securing the burl to the lathe was used. Graham also advised that when buying burls to ensure you buy them only from licensed collectors.



Graham then showed a home-made aluminium faceplate which he uses to secure the face of the burl to the lathe. He has found that this holds the work very well and allows him to shape the base of the bowl. Graham advised he almost always uses a Vicmarc 'Shark Jaws' chuck when turning burls and that he uses the tailstock to provide additional support. After mounting the burl, Graham went through some simple safety procedures which included hand spinning the work to ensure clearance from the tool rest. Graham then wound down the speed of the lathe

and proceeded to shape the base of the burl into a bowl and create a spigot at the bottom of the burl. The speed was wound down to assist in the balance of the burl. Graham initially used a bowl gauge to roughly shape the base of the burl. Then he used a scraper and was able to demonstrate how he achieved fine shavings even on such hard timber.

Graham explained the process he had to go through to obtain a license to collect burls and how the process to obtain the license took twelve months. He said he was not happy with collectors who did not hold licenses. Graham also went on to explain how every time he cuts a burl from a tree it must be weighed and identified. All in all a lengthy process.

Graham then produced a burl which he had rough turned several months ago and then put away to dry slowly. He mounted the face of the burl onto a piece of MDF and then applied pressure with the tail stock to hold the burl firmly in place. He explained the use of matting on the face plate which helped to grip the burl. He then proceeded to tidy up the spigot using a detail gouge with a 'RAG' edge which means 'Rough As Guts'. He uses this type of edge because, as we all know, burls do cause most tools to quickly loose their sharpness.

Graham also demonstrated how he works on the very edge of the bowl. He closes watches the ghosting effect that is developed as the burls spins around. He moves the tool slowly in towards the wood and is very mindful of just how sharp the edges of the burl can be if you get your fingers too close to it. He went onto to demonstrate the method he uses for sanding the edges of the burl. He uses a small pedestal drill with a sanding disc attached. He demonstrated how he uses an old converted hole saw cutting bit to make the circular sanding discs. A very interesting demonstration.

The next part of the day was taken up by four teams competing in the 'Rocking Rabbit' Challenge which involved the construction of a children's toy to supplied measurements. The finished item needed a rounded base that gave a smooth rocking motion when pushed. This competition ran through to the middle of the afternoon. Each team presented their rabbit and everyone was asked to vote on their choice. Team 3 from Melville took out the competition.



The next demonstration was by Frank Evans and he advised that he had been asked by Joondalup to demonstrate the making of a lidded box given that this is the theme for entries into the September competition at Wandi. Frank passed around a few boxes he had made. One was cut on end grain the other on long grain. He had a number of different examples to demonstrate what he thinks is a 'Lidded Box'.

Prior to starting his demonstration, Frank advised how he always looks at a piece of wood before starting to work on it. He looks for flaws in the wood and tries to either work around the flaw or remove the flaw completely. He said that spending a little extra time checking the wood for defects can have a significant effect on the overall finish of the piece.

Using a step centre Frank mounted a piece of blackbutt and brought the piece of timber to the round using a roughing gauge. Frank explained how he uses a rough diagram to illustrate what it is he is trying to make. He rarely uses actual measurements unless the piece is to be made more than once. Normally he would cut a small spigot at each end of the piece however on this occasion he forgot to cut the spigots before mounting the piece in to the chuck. Frank remounted the piece between centres and cut the spigots at each end of the piece.

Frank mounted the piece into the chuck and then he explained that when he makes a lidded box he always does the lid first. Frank shaped the lid and then used a narrow parting tool to remove the lid from the body section. Frank also explained how he ensures that the width of the lid is slightly smaller in diameter than the body. Frank commented on how it was important to ensure that the hollowed out section was large enough to be remounted on the chuck. Once Frank had finished shaping the lid he used a stitching tool, normally used by tyre repair places



to press a patch against the inside of a tyre, to do a nice bit of embellishment. Frank used a black marking pen to highlight the embellishment.

Frank recommended a book that he works from written by Chris Stott called 'Book of Turned Boxes' and it has 50 individual designs. Whilst working on the lid Frank reminded us all that it was important to make a continuous cut so that flat spots don't emerge that may be highlighted

when you lacquer your piece. Frank then placed the body into the chuck and commenced to work on it. Having finished shaping the body Frank brought the lid into play and attempted to fit it onto the box. The body was still too big for the lid so further work was necessary. Frank explained this was why he finished the lid first. Frank went on to discuss the importance of making the lid a snug fit or a tight fit and he outlined that this should always be a personal thing. Does it really matter in the long run tight or loose? Having achieved a fit to his liking, Frank went about hollowing out the body. Firstly he used a depth gauge and set this to the amount of hollowing that he was going to do. Using a spindle gouge, Frank hollowed out the body of the box. After achieving the desired depth he went onto sanding the box. He used a piece of rubber purchased from Clark Rubber to hold onto the sand paper. Having finished the sanding Frank reversed the body and ensure that the base of the box was slightly concave. He explained that this was done to make certain that the box stood level. Having finished the box Frank passed it around for all to see. Another good demonstration.

A total of twenty eight prizes were on offer for the raffle, then it was on to the competition results. The work was yet again of a high standard across all grades and this would have made things difficult for both of the judges. The presentation was conducted and after this both Norm Gratte and Viv Paust gave detailed critiques on different aspects of how they judged the competition entries.

Keith Davies – Roving Reporter.

AVON WEEKEND WORKSHOP
24th OCTOBER 2015
 (THAT'S THE 4TH SATURDAY!)

Toodyay Memorial Hall
 Stirling Terrace (main street) Toodyay.
 Parking available at the rear of the hall.

Photos from the Groups



Above: Harry Butler receiving the keys to Mandurah's new shed.

Below: "What do we do next?" at the Rockin' Rabbit challenge.



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News From the Groups

Bunbury Bites

The Bunbury Wood Turners have been very busy these last few months making a joint venture with the local Apex Club who we share premises with to further improve the club facilities. A grant to upgrade the kitchen facilities has recently been submitted to Lotteries West and it is hoped that they will look favourably on our request for funding which will then allow the renovations to be completed.

On the 26th June, 2015 members in the workshop were subjected to an extremely loud bang when a jarrah burl being turned by Max Rutherford on a Vicmarc lathe exploded into several pieces. Fortunately no one was injured except for the ceiling of the workshop which received a large hole in it when struck by a piece of the burl. Rumour has it though that a number of those in the workshop had to check their underpants after the loud bang, though this has not been confirmed. Max is now the club leader in the 'Oops Award' a new competition develop by yours truly after he had a jarrah burl break into three pieces whilst being turned on the same lathe. His burl made a much larger hole in the ceiling than mine, hence his leadership in the competition. I guess the lathe is telling us it does not like jarrah burls. It also reminds us that when turning burls extra care is required.

Only two entries were received for the club competition on July 1st and they were two hollow vessels, one in Arizona Pine entered by Jock Macfayden and the other a Camphor Laurel vessel with a Jarrah lid. Jock took out the competition with his entry. Both entries are expected to do well in the WAWA competition later in July at the Swan Club. After the competition members were treated to a feast of show and tell items, fifteen in all. Items were a range of bowls, egg cups and flower vases. After the monthly club competition and show and tells the members were treated to an interesting demonstration by Tom Brixey. Tom demonstrated how he applies a series of mathematical solutions to enable him to successfully turn shapes which are either six or twelve sided.

The monthly club competition for August with the theme being a two cake stand had three entries with Norm Hoskins gaining first place, Jock Macfayden second and Keith Davies third place. After the competition the club held its AGM and this saw a few changes to committee for the forthcoming year. Barry Laidler moved from Convenor to Committee Member after completing two years in the position of club convenor. Kevan Hunt and Lou Pacecca elected to have a rest from Committee after many years of dedicated service. All three members were thanked for their assistance to the club. The new Convenor for the next year will be Tony Mellar who moves from Committee Member to this position. Two new members moved onto the Committee, Jock Macfayden and Pat Jordon.

Keith Davies, Club Secretary

Collie Calling

Hi all. This is my first contribution so forgive me for any mistakes. Let me introduce myself my name is Dave Saunders. I've been woodturning for approximately 2 years and really enjoy the turning and fellowship that go's with it.

On behalf of all club members pass on a big thank you to Ken Hands for his contribution to the news letter over the past years thank you Ken.

Competition results for July which was turners choice: Novice there was a tie for first, Dave

Saunders sheoak clock, Doug Coffee with jarrah burl bowl, second place was Ken Morgan with jarrah & red gum lidded box. Advanced results where Dominic Italiano sheoak offset bowl, second was Doug Gulvin jarrah & york gum burl lidded box.

At our July meeting we had two of our local police officers come along and gave a very interesting & informative talk on the drug issues we face and what is been done and what we can do to help stop this growing problem. This was we'll received by all members, we plan to have more guest speakers from time to time.

We once again had a bus load of members attend the wood show in Perth. I believe a good time was had by all, even in the fact many returned with empty wallets.

VALE RAY SNOW.

It is with a sadden heart that we say farewell to Ray Snow. Ray passed away after a short illness. He was a member of our club for over four years, at one time our Chief cook and bottle-washer. I personally will miss the friendly banter that he unfolded on me. To Katrina and family, our sincere condolences and sympathy at this sad time.

Well that wraps it up for this edition From The Coalface.

Dave \$

Goonells Gossip

In addition to our normal meetings on Wednesday morning and Thursday evening our new workshop continues to be used on Thursday and Friday mornings under the supervision of John Gardiner and Chris Paplinski respectively. Refresher courses having been completed, they have been substituted by individual personal projects with appropriate guidance and advice for any members wishing to attend.

At Show And Tell on Wednesday 15th July, Mark Enwright showed his take on the tall hollow vessel with lid (entered at the Swan workshop) turned in pine in the form of an outsize bullet. Mark explained that he did it because he had a spare billet of pine. Mark also showed a very nice bowl in York Gum burl (and super glue). Peter Manchee presented a very nice flying saucer type box for Show and Tell on Wednesday 22nd July. The box was nicely finished both inside and out which Peter admitted was the result of making the box in two parts. The resulting joint was almost undetectable, nice work

Wednesday 29th July was demo day and Chris Sioulas stepped up to the plate a.k.a. Vicmarc to demonstrate a lidded box. Chris, as usual, made it look easy, he says, to encourage the rest of the group to put some entries in for the Wandii workshop.

Jim

Joondalup—Wanneroo Journal

Joondalup/Wanneroo workshop is now history. The new venue worked very well with trade displays, lathe working areas and auditorium all under one roof. Attendance was below expectation, possibly due to lousy weather for several days prior to the event, putting people off the trek north of the river.

July: Graham Turner demonstrated how to remove spigots and sand off tool marks on his Goldfields burl bowls.

Tony Collins brought along his two-tier cake stand for discussion. He incorporated threaded

WANDJ WEEKEND WORKSHOP

WAWA Special General Meeting and AGM

Wandi Community Centre
De Haer Road
WANDI

When: Saturday 19th September 2015
Convenors: Bill Younger and Bob Filby
MC: Jim Cameron

Competition Item: Lidded Box-no restrictions
Trade Suppliers: P Square Agencies, Sandalwood Supplies
Entry \$5

Programme

7.45 Set up

8.30 Registration and Fellowship

9.00 Welcome and Announcements followed by
WAWA Special General Meeting and AGM

Presentation of Woodshow Prizes

10.00 Morning Tea -members bring a plate please

10.20 Demonstration –Alan Williams-3D Printer

11.50-Lunch is available for \$6.00 consisting of sausage sizzle or hamburger with salad. Drinks available for \$1 per can.

12.50 - Raffle Draw

1pm – Demonstration-Noel Moyes-

2pm – Demonstration-Bill Younger- Emerging Bowl

3pm afternoon tea

3.15 Show and Tell Competition Results

Pack up—lots of help please

inserts to enable the cake stand to be disassembled for transport or storage.

The competition item was a tall hollow vessel with a lid. Winners were Intermediate - Bob Hammett and Advanced - Andy Hill.

Hands on project in July, organised by Barry Cobb, was a rolling pin.

August: Finalising arrangements for the weekend workshop took up considerable part of our August meeting. The Group AGM was deferred to 14th September rather than having a new committee taking over only two weeks before the workshop.

Charlie Totten successfully demonstrated the making of a lidded box despite having selected an uncooperative piece of wood for the demo.

August comp was a two tiered cake stand. Bob Hammett's well finished Jarrah stand won the intermediate division. Yours truly won the advanced division (Camphor Laurel platters with Cypress base and columns). 2nd was Graeme Draper (Cypress) and 3rd Geoff Quesnel (joined Jarrah burl platters with an Irish Cherry column).

In Show & Tell Graham Turner showed us a Red Morrell burl bowl and Bob Hammett brought along his home made bowl jaws.

Events: As reported in the last newsletter, Tony has displays organised in Bindoon on 18th September and in Gingin later in the year. Once again, we will be manning the WAWA display at the Royal Show on 28th Sept.

Andy Hill

Mandurah Memo

This has been a busy period for the Mandurah Group.

We have very busy fitting out our new shed, etching and painting the floor, lining the walls, putting up racks and fitting out the kitchenette. We are planning our equipment layout and setting up a very exciting demo lathe area. We now have some nice chairs to sit in and don't have to pack everything away after events.

We can now plan other activities during the week.

There is to be a grand opening with the Mandurah Mayor, councillors and other invited guests and a sausage sizzle to mark the grand day

Jon Braine



Melville Mutterings

24 June – Continuation of last week's "hands on" in this case a small lidded box under the guidance of our ever reliable Norm G. The exercise proved to generally require more time with only a few members completing the exercise but everybody at least within coo-ee of completing – hopefully in the near future – a great variety of shapes which is encouraging in that members are giving shape/purpose plenty of thought. In line with Group Policy no Show and Tell on "Hands on" days. It was with sorrow that we learned of our very long standing & much respected member, George Franz's passing on the 23rd. George has not been enjoying good health in past recent months. Also Laurie Green is having health problems following the recent death of his wife,

Sylvia, and we wish him a speedy return to health & join us again on our Wednesday morning meets.

1 July – Quarterly general meeting. Routine with all housekeeping finalised followed by an address by Tom Patterson on his varied lifetime experiences from initially on the land at Moorine Rock with his parents following WW2 until retirement in the city after various and varied jobs. A comprehensive tabling of Show and Tell items handled by Kevin Harwood.

8 July – Demonstration for today was by Chris Hughes, his first demo, on producing turned fruit, in this case an apple and pear which included turned stalks. A very credible presentation capably handled and demonstrating use of a number of chisels to achieve the good result. Show and Tell was handled by Gary Swain with a good critique on individual items tabled by members.

15 July – Monthly “Hands on” day again (they really crank themselves around very quickly) under auspice of Norm G who selected today’s project as a honey dipper. All lathes ran with the usual high level of participation and extremely credible results achieved. No S & T session today in line with agreed policy.

22 July – A demonstration today by Robin Howarth on creating a small wooden Geisha doll. Somewhat unique & involving creating a number of separate pieces which, when fitted together presented as an attractive item. Show and Tell tabling was handled by Chris Hughes in a capable manner with a larger number of items than usual.

29 July – Triple demo session today started by Brian Fowlie with embellishing of items using his range of special tools for this job, followed by David Rechter with a similar topic but using a range of different speciality tools and then Ray Robertson demonstrated his technique of using special foil to create contrasting coloured shapes to embellish his creations. Show and Tell presented by Peter Cunnington.

4 Aug – Norm G took the stand today demonstrating his method for creating small items, in this case a small hollowed jug with a VERY small opening at the top making hollowing a precision task and then later embellishing the outside with a small router utilising a holder (his own creation) to ensure similarity of pattern. S & T was undertaken by Bernard Boycott and involving quite a critique discussion from members on their individual thoughts/observations on designs. Some very interesting points raised highlighting what individuals see and prefer in shape/finish etc,

11 Aug. AGM day (again – seems like only 4 months since the last !). Usual AGM admin followed by a brief demo by Norm G. Utilising home made tools for deep hollowing but highlighting the need to clear dust from the inside of the vessel to overcome clogging & make progress. S & T was capably undertaken by Bill Power.

18 Aug – Ho hum its “Hands on” day again. As stated a number of times they come around rapidly these days. A legacy of having GOT OLD !. Anyway Norm’s decision was for us to create seasonal fruit – to be specific apples & pears. The usual enthusiastic participation from members attending & excellent results. Overall very successful but to be repeated again next week just to prove it wasn’t entirely just luck.

70M108P

Swan Snippets

25 YEARS OF WOODTURNING

In 1985 a group of 18 interested wood turners met at McQueen’s Caravan Park, Eneabba and formed The Woodturners Association of Western Australia. Monthly weekend meetings brought together a dedicated group of turners and by December 1985 membership had risen to 51.

The Swan Group of WAWA was originally known as the Lesmurdie Group. It was formed by Association members Geoff Barkla, John Lathwell and Keith Stout who had been holding informal meetings at the home of Keith Stout. The Lesmurdie Group held its first official meeting at the Sanderson Road Primary School on 3 July 1987. Meetings were held monthly, with weekend workshops being held at local halls.

Guilio Marcolongo

To Demonstrate in Manjimup



When: 25/10/2015

Cost: just \$25

This includes morning and afternoon tea



**and of course the well known
Manjimup country lunch**

The group subsequently moved to the Kalamunda Senior High School and by late 1988 had relocated to the now defunct "The Woodworking Centre" in Midvale. This move resulted in a name change and the group now became the Midvale Group. By the end of 1991, 48 WAWA members regarded the Midvale Group as their home. When The Woodworking Centre closed its doors in 2002, a new home had to be found.

This time the Group moved to the Koongamia Hall in Banjine Road, Koongamia, which resulted in another name change. The new name reflected the area rather than the premises location. The Swan Group was born. After the building's ceiling fell in & the City of Swan declined our offer of repairing the damage we then moved to the Gumnuts Family Centre in Mudalla Way, Koongamia. Once again the City of Swan required the Group to move as the facility was earmarked for child care groups & another move took place.

In January 2012 we moved to our current home at the Swan Districts Senior Citizens' Association, 1 The Avenue, Midland. With over 50 members we meet weekly on Tuesdays afternoons: 1st, 3rd, 4th & 5th & on the 2nd Tuesday evening of each month. Members share their ideas, skills & knowledge through demonstrations, workshops, hands-on days & beginners' classes.

Ted Stewart-Wynne
August 2015

Toodyay Tattles

G'day from the Avon Valley. We are looking great here now with a bit of rain at last and things have been busy with the Avon Woodturners of late.

We finally have had our wood raffle and raise over \$500.00 . This will be welcome when we move into our new premises. This project has slowed down at the moment as the Shire has been busy preparing for our new Sports Centre grant but is definitely going ahead. We had hoped to be in by now. We have already purchased a lot of shelving, etc, in anticipation of the move.

Saturday the 1st August we ventured to Wyalkatchem for their market day. Unfortunately it was a shocking day weather wise and they had a very poor turnout of stalls and people coming in. It was still a good exercise for us as we had considerable interest and especially from some of their Mens Shed members who ran the coffee and scones. They have been donated a Tough lathe and were interested in what we were demonstrating. They would like us to come up and demonstrate for them when they have their new Shed built.

The group have also been asked to demonstrate at the Old Toodyay Gaol on its 150th anniversary. It is also the 30th anniversary of the Avon Link Train service and so it will be a fairly big day of celebration in Toodyay.

We have, for the second year, been sponsored with a grant from Roadwise and one of the things we have to do to qualify for the grant is a few visits around the Wheatbelt and display our Roadwise banner bearing our selected message while there. As I have mentioned before our next excursion is to the Koorda Show. Places like Koorda, as members will appreciate, don't have a woodturning club near them and so it is something different for their show.

Our Toodyay Show is rapidly approaching and members have been busy turning entries for this. We have also been flat out making a couple of prizes for our raffle which we hold at the show. This year we have two prizes, a small table and a cap stand. This is nearing completion and is looking quite good. Both are made out of She-oak.

Preparations are going along nicely for our workshop in October and so we hope to see a lot of you in Toodyay for this event.

Well that's about all from the Avon Woodturners for this issue and so, as Roadwise says,

DON'T DRIVE TIRED.

The Tattler

Wandi Waffles

We have had the pleasure of a session with Chas Broadbent who shared his extensive knowledge, enthusiasm and insights into gaining knowledge about wood, its sources, management of environments and procurement. He also touched on the topics of logging techniques, treatment of pests and management of diseases as well as stability in timber. Chas also shared suggestions and techniques for using the microwave for drying timbers. Of course, NOT the one in the family kitchen.

Vacuum Chucks with Bill Younger who sourced a variety of commercial and home made creations for specific lathes and purposes. Lively discussion with members present sharing ideas and knowledge.

Dave Mundy took on the task of timber and acrylic pen construction and the variety of finishes and the effects that can be achieved, and methods of achieving consistently good results.

Show and Tell

Jim Cameron - collection of bowls and lids along with the badger spray gun.

Louise Dixon - large vase from an acacia jam tree sourced in Boddington.

Bob Taggart - hollow vessel with secure lid and finial using European beech with jarrah inserts.

Andy Phillips - an adze forged in New Zealand, suitable for use as a skew.

Bill Younger - acrylic fountain pen, with acrylic supplied by P Square Agencies.

Congratulations to Wandi member Armajeet Singh for his first place in the Novice section at the Wood Show.

Reminder to all readers that the Wandi Weekend Workshop is on the 19th September. We look forward to seeing as many of you there as possible, we are hoping for a fine day. Agenda is elsewhere in this newsletter.

Our new building is close to completion and, although it will not be ready for use at the weekend workshop, we look forward to moving in over the next few months.

The Waffler

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to Spinning Tops and Yoyo

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Report from Pittsburgh, USA, Symposium
Neil Turner

I recently attended the American Association of Woodturners (AAW) Symposium in Pittsburgh, America. For the people who haven't heard of the AAW this organization was established in 1986 with its headquarters in Saint Paul, Minnesota. Their charter is to advance the art and craft of woodturning world wide, with a membership base of more than 15,000 members worldwide. The AAW sponsor outreach programs in countries outside the United States, and is involved in youth educational activities and development and produces the American Woodturners Journal.

The AAW organizes a woodturning Symposium every year somewhere in the United States. As I have stated this year was in Pittsburgh. There were 7 invited demonstrators from all over the world who normally perform six rotations over three and a half days. The other demonstrators apply and then are selected by a panel. Because I was in the country at the time I decided to apply to demonstrate, in all, 34 demonstrators plied their skills. From the outstanding bowl turning skills of the legendary David Ellsworth, thin walled green turned vessels by Christian Burchard, the amazing skills of Frenchmen Alain Mailland and Pascal Oudet, then throw in the skills of Joey Richardson and you can't ask for much more. Logistically this is a huge undertaking organizing accommodation for 1500+, sourcing lathes, all the TV monitors and sound systems, as well as having over 300 volunteers to render assistance. It is a mind-blowing experience for any one who is a woodturning enthusiast.

There are many other activities over the 3 1/2 days. There is an enormous instant gallery where turners display their work, over 1000 pieces, mostly of exceptional quality made by professional and hobbyist's. There is a critique schedule where turners can have their pieces critiqued by some of the professional turners in an effort to improve the standard of future work.

One room is filled with twenty small Jet lathes, these are used for youth activities and turning programs. At the end of the Symposium some of the lucky youth attendees have a chance to win one of the lathes. They are all given away.

There are three auctions conducted over the Symposium. One where all the pieces are donated and the auction funds go to the professional outreach program and Turners Without Borders. Makers can submit work for an auction with reserved pricing and also a silent auction. These auctions provide an opportunity for the Collectors of Wood Art and fellow turners to view and purchase pieces.

An invitational exhibition runs during the Symposium, some of the best makers in the world are asked to make pieces for this exhibition. The work reflects a different theme every year and is extraordinary.



This year the AAW saw fit to award Jacques Vesery the POP Merit Award for services to woodturning .

There is a large trade show that runs in conjunction with the Symposium, with every conceivable wood turning need you could want for wood turning on sale here. I must confess to spending some hard earned funds on some items I thought I might need.

(Editor's Note: Neil very modestly failed to mention the award he was given ... an Excellence Award—Instant Gallery for a piece named "Coral Texture")



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THE WOODTURNERS ASSOCIATION OF WESTERN AUSTRALIA

Special General Meeting to consider a special resolution

To be held at Wandi Hall, DeHaer Road, Wandi, at 9.00am on 19th September 2015

Present:

Apologies:

David Rechter: To explain to those present the background of the proposed changes to **Rule 11 Sub-Rule (4) and if adapted Sub-Rule (1)** of the Constitution.

Rule 11 Committee of Management

Sub-Rule (4)

Current Wording:

A President shall not hold office for more than two consecutive years.

Proposed Wording:

- a. A President shall not hold office for more than two consecutive years.
- b. If a nomination is not forthcoming for the position of President in accordance with sub-rule (5) (b), and if the current President has forwarded his or her agreement in writing, to the Returning Officer, then a majority of members present at a properly constituted Annual General Meeting may agree to extend his or her period of office for a further 12 month period.
- c. If the current President is not in agreement to extend his or her period of office, then the Association will be managed solely by the Committee of Management, as a consequence of their normal meetings throughout the year.
- d. If the management of the Association continues in accordance with Sub-Rule (4) (c), then a committee member, elected by the other members present at the general meeting or committee meeting, must preside at the relevant meeting.

Sub-Rule (1)

Current Wording:

Subject to sub-rule (9) the affairs of the Association shall be managed exclusively by a Committee of Management consisting of;

- a. The President
- b. The Immediate Past President
- c. The Vice President
- d. The Secretary (may be appointed without voting rights)
- e. The Treasurer
- f. Not less than 5 nor more than 7 other persons, all of whom shall be members of the Association. Or no more than 8 other persons, all of whom should be members of the Association should the Secretary be appointed as a non-member.

Proposed Wording:

- a. The President (If elected)
- b. The Immediate Past President
- c. The Vice President (only if a President is elected)
- d. The Secretary (may be appointed without voting rights)
- e. The Treasurer
- f. Not less than 5 nor more than 7 other persons, all of whom shall be members of the Association. Or no more than 8 other persons, all of whom should be members of the Association should the Secretary be appointed as a non-member.

Proposed by David Rechter and Seconded by the Kevin Cheetham that the proposed wording of Rule 11 Sub-Rule (4) and Sub-Rule (1) be adopted.

Meeting closed:

THE WOODTURNERS ASSOCIATION OF WESTERN AUSTRALIA

Annual General Meeting 2015

*To be held at Wandi Hall, De Haer road, Wandi, at 9.20am on the
19th September 2015*

AGENDA:

- 1 Welcome
- 2 Present:
- 3 Apologies:
- 4 Confirmation of 2014 AGM minutes
- 5 President's Report
- 6 Treasurer's Report
- 7 Auditor's Report
- 8 Election of Office Bearers
- 9 General Business
- 10 Presentation of Certificates and Awards

Meeting Closed:

COMMITTEE OF MANAGEMENT ELECTIONS

2015 – 2016

RETURNING OFFICER'S REPORT

As of the 31st. July 2015, the following nominations were received.

PRESIDENT: One nomination was received; **Andrea McCandlish.**

COMMITTEE: Nominations were received from the following: **Bruce Jackson and Norman Hoskin.**

DEREK MARTIN Returning Officer 19 August 2015

DECLARATION OF POLL

for COMMITTEE of MANAGEMENT

2015 - 2016

The Committee of Management 2015 – 2016 consists of:-

President Andrea McCandlish till AGM 2016

Immediate Past President John Gardiner till AGM 2016

Committee

Norman Hoskin for 2 years till AGM 2017

Bruce Jackson for 2 years till AGM 2017

Andy Phillips for 1 year till AGM 2016

Barbara Jennings for 1 year till AGM 2016

Chris Paplinski for 1 year till AGM 2016

David Doye for 1 year till AGM 2016

Peter Cunningham for 1 year till AGM 2016

Laurie Sutton for 1 year till AGM 2016

This is a viable committee but two vacancies remain unfilled.

Derek Martin OAM

Returning officer



Results of The Wood Show Own Choice Competition

Novice:

1st Armajan Singh Wandi Group

2nd Garry Watson Mandurah Group

3rd Tony Mellar Bunbury Group

Intermediate:

1st Syd Harvey Melville Group

2nd Michael Head Melville Group

3rd Colin Smith Mandurah Group

Advanced: 1

1st Chris Sioulas Gosnells Group

2nd Richard Barkman Swan Group

3rd Chris Paplinski Gosnells Group

The COM congratulates the competition winners and thanks all entrants for competing and entering such a high standard and variation of their turned work.

The COM also wishes to thank the clubs and their members who provided the display items for the Show. It really was a very impressive display.

A special thanks to Bruce and Sam Jackson for their hard and time-consuming work, in collecting the display items from the groups, and ensuring their safe return.

Competition Results

Swan, July 2015

Competition Item: 200mm hollow form with lid
NOVICE

1. Jock MacFadyen
2. Col Rutherford
3. David Doye
4. Lyndsey Dunning

INTERMEDIATE

1. Brian Kirkby
2. Ray Robinson
3. Tom Jarrett
4. John Gardiner

ADVANCED

1. David Rechter
2. George Parke
3. Don Clarke
4. Norm Gratte

MOST POPULAR

1. George Parke
2. James Murray
3. David Rechter
4. Brian Kirkby

OPEN

1. David Rechter
2. George Parke
3. Don Clarke
4. = Brian Kirkby & Norm Gratte

Joondalup / Wanneroo, August 2015

Competition Item: 2-tiered cake stand
NOVICE

1. Jim Ronald
2. Jock MacFadyen
3. Dennis Lang
4. David Doye

INTERMEDIATE

1. Norm Hoskin
2. Ray Robertson
3. Tom Jarrett
4. Geoff Quesnel

ADVANCED

1. Andy Hill
2. Bruce Shephard
3. James Murray
4. Bruce Jackson

MOST POPULAR

1. Andy Hill
2. Bruce Shephard
3. Norm Hoskin
4. Tom Jarrett

OPEN

1. Andy Hill
2. Norm Hoskin
3. Bruce Shephard
4. Ray Robertson

Congratulations to all winners and place-getters

Chip Formation -- Rub the Bevel?

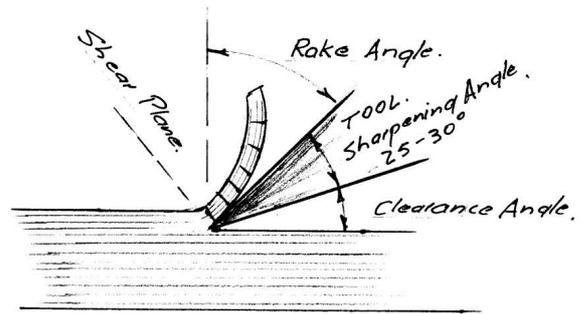
I have often struggled to explain, to new turners, the theory behind the saying-Rub the Bevel, so here is another attempt.

Chips or shavings form when a material splits ahead of the cutting edge, owing to some upwards wedge action of the tool exceeding the tensile strength of the material, perpendicular to the active cutting surface. In general the most efficient chip removal, form in cutting tools with shallow cutting angle.

In any form of wood working the following situation –diagram, is generally accepted as what is best practice.

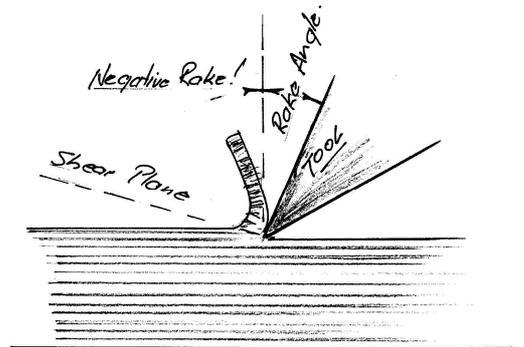
Now, consider the result of reducing the clearance angle!

In the words of Mike Darlow,
“The greater the rake angle, the less the breaking on the chip and the less the chip expands in thickness. Hence, cutting is most efficient when the clearance angle is zero and sharpening angle is the minimum practicable for the particular material.”

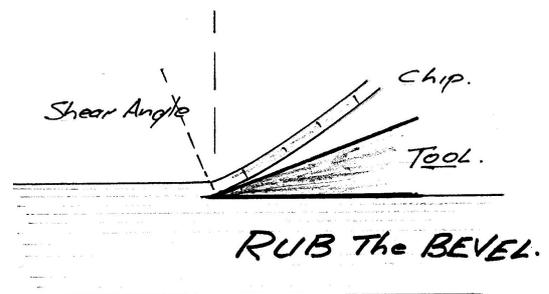
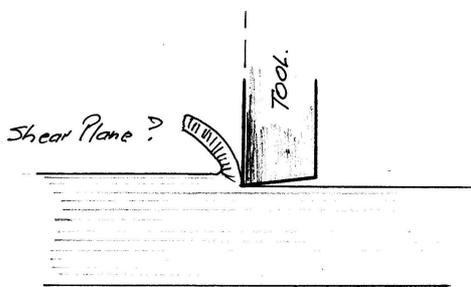


Scraping, which is necessary in some instances, the rake angle is zero, may even be negative.

Chips form from a compression failure of the material, ahead of a relatively obtuse angle, approaching 90degrees, even a negative rake angle. The effect is, chips often give rise to random “snow plough” effect where the waste material is bunched up ahead of the tool but not cleared decidedly away as well- formed chips.



The cutting edge will also require to be supported, with a much larger ‘cutting angle’.



The most efficient and best way to obtain a clean, well produced surface while turning wood is to reduce the clearance angle to zero, in other words-

Diary Dates

Competition Items for 2015

February 28th—Melville

Turned item with multiple embellishments, may include metal, acrylic, bone, etc.

March 21st—Manjimup

Platter, may be embellished. Height to be 10% of diameter

April 11th—Collie

Square-edged bowl

May 23rd—Mandurah:

Jewellery stand with min. Two items of jewellery

June 20th—Gosnells

Vase with 3 or 4 stemmed flowers

July 18th—Swan

Tall hollow vessel with lid. Min. height 200mm, not including lid

August 22— Joondalup-Wanneroo

2-tiered cake stand

September 19th—Wandi

Lidded box, no restrictions

October 24th—Avon

Item featuring 50% or more of offset turning

November 21st—Bunbury

Set of goblets on a tray, min. 2 goblets

WAWA Shopping Centre Displays 2015

Phoenix Shopping Centre - 14th to 19th September

Southlands Shopping Centre - 12th to 17th October

Park Centre - 2nd to 7th November

Waterford Plaza - 9th to 14th November

Armadale City— 30th November to 5th December

2016

Melville Plaza - 3rd to 8th October

The following may be contacted for information or if you would like to join the display/sales team.

Brian Fowlie 9310 3161

Neil Piper 9399 3723

Geoff Saw 9354 1562

Note to members

If you wish to join the Shopping Centre Display team to sell your work contact Brian Fowlie. Sales are on a commission basis which goes to WAWA to cover the costs and maintenance of the equipment required to mount the displays.

Anyone can be part of this team. Apart from the sales of turned items, the function of the displays is to promote WAWA and woodturning.