

TURNOUT

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THE OFFICIAL NEWSLETTER OF NORTHERN TURNERS INC.

President's Report 2017

I have really enjoyed the opportunity to be President of Northern Turners Inc. for the last two years. Northern Turners is a well established Club with a loyal and hardworking membership that provides services meeting and opportunities of which many other clubs are rightfully envious. To meet 3 times a month and maintain a focus for new learners & members, provide and deliver an educational program that runs on two Saturdays of the month for the year is a remarkable achievement.

Support by members in regular attendance is seen in our rates of an average of 24 Turners on 2nd Saturdays, 33 on the 3rd and 51 on the 4th. There have been many highlights in this time including:

Presentation by guest Artisan from Switzerland, **Matthias Bachofen Beer** (61 participants) in January

All of our **Presenters**: Simon Bagshaw, (guest presenter from Southern Turners), Brian Purcell, Jake Jacobs, Ron Allen, George Pastuch, Allen Burgess, Bill Elliot, Graham Vawser

Demonstration by Chris Pouncy representing **Sorby** from Carbatec

Opportunity to access World Quality Turners Including Richard Raffan (November 2016) and previously the late Neil Scobie (November 2015) and Andrew Potocnik (November 2017) organised and coordinated by **Tim Skilton & Greg Jackson**

Development & promotion of the **Biggest Morning Tea**, that has grown annually into a major event, into its current forum as a Fair with remarkable attendance (81 participants) and \$2436 dollars raised.

The role of **team competitions** to promote social interaction, competitiveness and inventiveness (Wood Be animals & Off Centre Urnie) with participation rates of 20 to 24 turners actually turning on the day and regular attendance of 41 members

The receipt and acquittal, from the **TTG Council Community Grant**, of 2 Woodworking Solutions variable speed Lathes especially for new turners and off site demonstrations

The purchase of the truncated Woodfast CX 3000 **demonstration lathe** with outboard turning facilities for at home demonstrations, supported by Woodfast (discounting the purchase price significantly) and the final proceeds from the Girdler Family bequest

Jan Beare's **Holm Oak project** for goods produced, of a great standard and diversity, for sale at the Botanic Gardens, in exchange for the Holm Oak,

The participation of **surveys** of our members to update our data, seek opinions on educational program and feedback for the TTG Council Community Grant acquittal

Introduction, of **credit facilities** for our Exhibitions

The increased independence and ability to stage **exhibitions** and demonstrations to a professional standard with

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Northern Turners Committee

President	Jan Beare
Secretary	Dale Starr
Treasurer	Robert Edge
Member	Bill Elliott
Member	Ken Allen
Member	David Kleinig
Member	Fred McCann
Member	Glen Kutchen

Send all articles to

turnout@woodgroupsa.org.au

Your Northern Turners

- *Seeking Excellence*
- *Encouraging Individualism*
- *Fostering Creativity*
- *Teaching Skills*
- *Providing Support*

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our own trestles, table covers, lathe surrounds etc supported by a very focussed and professional exhibition committee.

Access to improved **storage facilities** at the school

Workplace Health & Safety standards that are evidenced by our accident statistics (0), evacuation map and SOP's on all our equipment.

Increasing role of **Community Support** with more fundraising for other organisations.

Social Media presence on Facebook (255 likes & 257 followers) where pages are receiving between 300 and 700 views. Increased membership access with an online calendar & updated web page.

The **Northern Turners Acknowledgement Awards** undertaken for the first time.

Accommodating the changing and evolving nature of our club where we recently, even after our normal attrition during the year, NT enrolled our 100th active member this month is becoming a significant challenge. This has meant we now have a large contingent of very new, or new members. Our focus for *new learners* on the 2nd Saturday is going well but will need more volunteers to support this group as currently there is limited availability of courses to learn turning in Adelaide. Northern Turners was originally founded as a club that supported experienced Turners to share their skills and it is most rewarding to see members with experience welcome and support new members and to see new members participate in our 'Show & Tell' forum at meetings. Thanks very much to Bill Elliot, Anne Kerr and Jake Jacobs for their continued support of this program.

The recent development of a **Wood Exchange**, monthly, where members can bring in pieces of timber that are either surplus to their needs, unwanted species, incorrect size or too many of one type, etc and can either sell (reasonably priced), exchange or give to another member (all unexchanged pieces must be removed). The details of this process will be finalised soon to commence a trial

Finally a big thank you to many people for their ongoing commitment to the Northern Turners to mention just a few

Those who *set up and pack up*:

Chris Deguet (who also looks after our Tea & coffee supplies) Robert Edge, Jake Jacobs, Dave Gilland.

Exhibition committee: Graham Reed, Bill Elliot, Dave Gilland, Paul Beebee, Tony Davies, George Pastuch, for their untiring efforts to support & stage professionally our major exhibitions:

There has been an excellent rate of participation and success by *Northern Turners in Exhibitions*:

WoodgroupSA Burnside November to January

Crafts & Stitches Show March

Woodgroup SA MBA Building Home Show July 14-16th

Craft & Quilting Show Sept 21-24th

Sunday Mail HOME & Garden Show October 14-16th

Dave Hough for his ongoing testing, tagging & exhibition support

Committee

The members of the **NT Committee**, I wish to thank for their leadership & guidance over the past year especially coping with the many changes that have taken place.:

Dale Starr for his organization & regular, rapid communication

Robert Edge as Treasurer, data base Builder & supporter of all things financial and moving us to online banking

Retiring members Jake Jacobs (Vice president) & Lisa Oogjen for their support, direction & ideas

Dave Kleinig, Glenn Kutchen & Fred McCann for their ongoing time & commitment

Demonstrators

Ron Allen & George Pastuch for their organisation of Week 3 program & next year's Merry Month of May organisation. Allen Burgess who delivered tool types & their uses parts 1&2 to offer some understanding of the tool cutting process, Bill Elliot Manta Ray Bowls, Graham Vawser Turning Spheres, Brian Purcell Square Edged Bowls & Jake Jacobs Pen turning

The **Biggest morning Tea** displayed the extensive knowledge and skills that are bought to Northern Turners including Pyrography (Brian Purcell / Anne Kerr), Photography (Ron Young/Fred McCann) Model making (Tim Smeaton), Frankie Pastuch & David Rose Scroll Sawing, Deep hollowing Jigs (Jake Jacobs), Spinning & top manufacture (Roger Humphris), Spatulas (George Pastuch), Natural Fibre Basket Making (Jan Beare), Scroll Sawing (Graham Hawkins & Frankie Pastuch), Turning timbers sale (Brent Golledge) & David Hough Boxmaking & tagging & testing

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Thanks to all Club members for your engagement in our program and your loyal and hard working support . I look forward to seeing you at our breakup BBQ on Sat 25th November

Lindsay Winen
President

SQUARE EDGED BOWL DEMO – 26/8/17 – BRIAN PURCELL

Inspiration for notes received from Rex Guinn You Tube and Woodworkers Institute.

If you haven't done square edged bowl turning before, start out small... say 130/150mm. Get used to edges when turning, sanding and entering tool into turning wood.

Treat any exercise like this with respect –

 Select only sound timber, no cracks flaws or imperfections. Inspect regularly

 Natural edge bowl -Only turn with bark on when you know it wont separate.

 Wear safety glasses, a full face mask would be better

 Gloves will give some protection from spinning wood when turning or sanding.

 Dust mask where appropriate

SQUARING TIMBER UP.

It is fairly important to try and get it as square as possible from the start, but you will not be able to be precise every time. Pinpointing the exact centre will get your bowl centred. If the bowl is not in the centre, extra work is required to correct the sides out of alignment and will end up detracting from the overall effect.

To make sure a square blank is actually square, measure diagonally across both ways and if the same measurement then it is square. If it is not square, take the best side that looks straight and use the 3,4,5 rule to get your 90 degree corner and you could do this all the way round, cut on bandsaw or tablesaw and beltsand to lines if necessary, then measure diagonally and pinpoint centre. Alternatively, measure how wide the blank is from the straightest edge, then across the same distance both top and bottom, mark and pencil in your line. Measure diagonally across both ways and if the same it will be square, if not, remeasure and adjust your lines accordingly. Another way is to get an A4 sheet of paper, measure up both long sides 210mm, same as width, rule a line across, cut and you have a square with 90 degree corners all round. Measure in 20 mls on two sides and you have a 190mlsquare and repeat until you have several squares. You can then cut templates to keep on hand for future use.

LOOK FOR BEST FACE ON TIMBER, character, features or grain pattern

MOUNTING the bowl blank....

Find centre perfect and mount between spur drive/stebcentre and live centre in tailstock. To turn spigot/tenon on selected face side. Compression mode with chuck

Use Forstner Bit and drill press to make a recess in the timber to hold in expansion mode in chuck

Screw chuck...ensure correct size drill bit is used and drill accurately into pinpointed centre.

Home made screw chucks—buy quality coach screws as made in china ones can break under tension

Spigot blanks/rounds with centre hole for nail used with hot melt glue. Nail pinpoints centre and holds spigot in place while glue hardens

FACEPLATE FOR larger projects

CAUTION... common sense applies to the last two methods. Only use if with small blanks and if safe to do so. The wood will be spinning fast and the tool will be entering the timber to make the square edge, so if it is not held securely, it could dislodge. For larger pieces, working on the outer edges puts more pressure on the holding points, and this goes equally for the expansion method.

LATHE SPEED.

Slow at first to ensure safe to continue, do any initial cutting necessary and once balanced can increase speed to shape base and bowl. Turn holding spigot or recess. It is best to go into the timber for the edges and not drag or pull the cut towards the edge because it could splinter and pull out a large piece. Most will want to turn at slow speed when it is better to turn at a higher speed, but that will depend upon your lathe and your ability.

BEVEL SUPPORT...You are only cutting on four points so at 500 rpm your tool will make contact 33 times per second whereas at 2,000 rpm your tool will come into contact with the wood 133 times per second giving you more support.

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SOME GOLDEN RULES....

SHARP TOOLSfor clean cut

THINK AHEADand leave most of the middle until you have finished the outer part to a suitable finish. This will cut down on vibration if turning thin.

WATCH those wings on the tool when doing edges. Extra caution if you are going to sand with the lathe running.... (learn to hold fingers closed with the palm of the other hand) best to use drill and Tim skilton pads on wings then hand sand with the grain.

TAPE on toolrest will help you know where the edges are. Gives you a starting point for the gauge to contact the wood

Toolrest can be used to make sure bowl square on lathe. Swivel toolrest to edge of one corner of bowl so it is just touching, then hand rotate to see if all corners touch the toolrest and if so it is perfect. Adjust if necessary

KEEP your fingers your side of the toolrest

USE tailstock for support where appropriate. Use cap/golf ball over live centre point if you dont want to mark your finished work, or have that sharp little spike stick into your arm if you pull your arm away from the work on the headstock.

Definition of a bowl. A round deep dish or basin used for food or liquid- a rounded container usually larger than a coffee cup, a hemispherical vessel wider than it is deep.

Definition of a platter A large shallow dish used especially for serving food

The above is only meant to give you a rough idea of what is involved and how I have gone about making a square edged bowl. Feel free to use them as a guide, but as I said earlier, please treat this type of project with care caution and respect. Your safety is your responsibility.

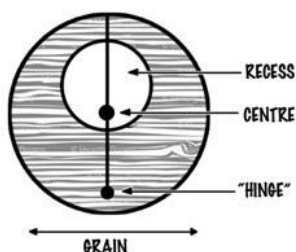
The following was forwarded to me from Simon from Southern Turners in support of his demonstration at Northern Turners last month.

The Editor

Lattice Turning

The Chuck

1. 19mm pine or similar soft wood.
2. Ensure grain direction is correct (below).
3. Overall diameter is OK to be slightly larger than optimal gripping dimension of chuck jaws.
4. Recess to be approx 5-7mm deep and flat base.
5. Recess to have square or slightly undercut sides.
6. Recess is better to be slightly smaller than your work piece, you can stretch the chuck slightly.
7. "Hinge" hole approx. 25mm from edge.
8. Bandsaw cut through centre of recess.
9. Cut may need to be widened - wider cut will allow more closing distance, but may reduce grip on work piece.



The Tool

1. HSS or drill bit works well, 5mm (approx.) seems ideal.
2. Sharpening geometry below.
3. Will require at least 4mm of cutting tip.
4. Ensure you have a decent handle - they get HOT!
5. Depth stop is not critical but, ensures even, constant depth.



Turning Tips

1. Think about the design you want before you start, can't change part way through
2. Must ensure work piece is mounted flat, otherwise it will result in uneven cutting depths or breakages.
3. Make a single cut, it is hard to put the tool back into the same cut, which results in rounded or damaged edges.
4. Get it right first time, it is nearly impossible to remount off centre work accurately.
5. Push the tool straight in, don't try to come in on an angle.
6. Take your time cleaning up & lay piece flat.