

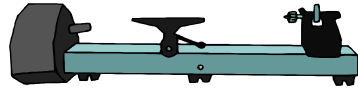


Dublin Chapter Newsletter

May 2012 Volume 3 Issue 35



Inside this issue:



◀ **Stuck on Silicone.** Jonathan Wigham reveals the secrets of silicone adhesives on page 2.

Pacelli O'Rourke on our April demo by Gorey's Robert O'Connor, covering two projects. On Page 3. ▼



▲ **Competition results, photos and standings from April** are on Page 5.

Workshop News. Turn to page 6 for photos of April's Workshop and news of what's coming up. ▶



Riding the Bevel

I've been doing this months newsletter wearing gloves. We decided to get our attic converted and typically the starting or work has coincided with persistently wet weather and unseasonably low temperatures. With holes in the ceiling and insulation pulled back any heat is venting straight up into space. Happy Place is unquestionably warmer than the house at the moment, but sadly getting through the door is easier said than done as the shed is plied up with years of accumulated rubbish from the attic.

Clearing the attic was an eye opener. I'd freely admit to being a hoarder, but didn't realise quite how bad I am. Like many I'm loathe to throw something out that "might do a turn" sometime. The problem with this policy (which extends well beyond the attic and out every corner of the house and shed) is that when the time for that "turn" comes, I either:

- forget I had said item
- remember that I have said item somewhere but have no recollection of where that may be.

It has been agreed that nothing will go back into the smaller storage space in the attic, once complete, without a licence.

When the shed is clear again I should implement a similar policy. I have the same problem with timber and various odds and ends that I keep. Yet I still cannot stop myself from picking up more when the opportunity arises.

So with the lathe piled under boxes at the moment, turning is off the menu for the foreseeable future. This is probably just as well. The deadline for my first edition of the journal looms and I will have my work cut out over the rest of the month getting that delivered.

For this reason I will not be doing a Newsletter for June. But normal service will resume in July. I will still be looking for your input, so if you have anything for the Newsletter or for the Journal, please send it to me via the usual channels.

I hope everyone has a good couple of months.

Varn.

Coming Soon

Wed 9 May - *Workshop* (Scout Hall)

Sat 2 June - (Scout Hall)

Demonstrator: Chris Lawlor

Competition: Natural Edge Bowl and Tim McGill Trophy for Alzheimer's Sale

Wed 6 June - *Workshop* (Scout Hall)

Sun 1 July - *Workshop* (John Doran's)

To be confirmed - See page 6.

Sat 7 July - (Scout Hall)

Demonstrator: Francis Corr

Competition: Off-Centre Turning

Tallaght Hospital Exhibition

The dates for this year's exhibition at Tallaght Hospital are now confirmed for Monday 11th to Wednesday 13th June (10 a.m. to 4 p.m.)

The competition for the Tim McGill Trophy will be held at the meeting on Saturday 2nd June. Items entered for this will be taken as donations for sale at the exhibition for Alzheimer's.

The success of the sale depends on us having pieces to sell so it would be great if everyone in the chapter could donate at least one turned item. Anyone wishing to contribute items for the sale can bring them to our meeting on 2nd Jun. All those contributing a piece will be entered in a prize draw at the meeting. Items can also be taken directly to the exhibition

We will also need pieces to be exhibited and volunteers to man the stands during the three days and I will put a call out nearer the time but if you are going to be available let me know now.

Contact Frank Maguire (087 2853716)

Notes from the Chairman

Have you ever just sat back and thought about what is it you have done in the last week? Well it's a good idea to do it now and then. Time goes so fast and if you can get a bit organized it's possible to have some things done that you would have thought impossible had you not done a bit of planning. We all should have a bit sit back time to go over what we can or will do over the next few days .

Our meetings, of which we have two each month (our main meeting on the first Saturday of the month and the workshop on the Wednesday following it), are a prime example. Things just don't happen. They have to be planned in advance .Our chapter is blessed with members who put themselves forward and help make things happen .

As well as our meetings, our exhibition's need to be manned by members and we also need items for display and for our sales in aid of

Alzheimer's. There are plenty of ways that you can help and be involved. Don't leave it to others as they might be leaving it to you.

The Tallaght Hospital Exhibition is coming up in June and Frank will be making out his rota soon. Please put yourself forward to help and please make an effort to bring something for the Alzheimer's sale to our June meeting.

The IWG seminar in Killarney is five short months away. The chapter challenge this year is a spinning wheel, Teams are being organised and they should start turning now to get the project done in plenty of time. It is not too late to join a team, so contact a member of the committee if you want to do so.

Later this month, I will be on my usual pilgrimage to Utah and San Diego to learn a few new ways of turning and meeting up with some old friends.

Joe McLoughlin will step in for me at the June



meeting as I will be getting over my jet lag on the Saturday. Chris Lawlor (*the well known television personality - Ed.*) will be doing our demo in June .

Thanks to all who bought tickets for our draw which will take place at the May meeting.

Joe O'Neill
Chairman, Dublin Chapter.

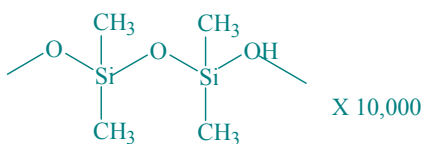
Silicone Adhesives

Jonathan Wigham 's series on adhesives receives a welcome addition with an article on Silicone.

Silicone chemistry was discovered in the 1890s by Frederick Kipping. He failed to recognise the potential of the materials he had discovered. Much later the adhesive and sealant properties were developed by a company called Dow Corning.



A simple silicone consists of oxygen, silica, carbon, and hydrogen, forming long chains which can be linked together to form a mesh like structure.



Silicone adhesives are unlike other types of adhesive in that the resin contains silicone bonded to oxygen and carbon. This gives the cured adhesive unique properties. It is highly elastic at low temperatures and

remains stable up to high temperatures. The reason for this is the strong bond that is formed between the oxygen and silica and the angle at which these bonds form.

There are several types of silicone reactive chemistry. The common one is that moisture initiates a reaction which links the polymer chains together to form the flexible solid sealant. A by product of this reaction is acetic acid (Acetoxy sealants) which gives the material its vinegary acid smell and can cause corrosion with metals. Other chemistries give by products which can be alcohols (Alkoxy sealants) or other non acidic organic chemicals (Oxime sealants).

Silicone adhesives will bond a large range of different materials and because of their flexibility they are particularly useful for bonding ridged materials such as metals or ceramics to more flexible materials such as wood.

A problem with some of these adhesives is that they tend to have poor tensile strengths and can creep under load. This is overcome by adding various other components to the formulation. Another difficulty with silicones



is that they have a surface which cannot be painted easily and other adhesives cannot be bonded to them.

The new modified siloxane (MS) polymers which were discovered in 1978 have silicone ends to the polymer and different organic middle section. The cure system is similar to the conventional silicones. These are now proving to be very versatile adhesives and sealants which have the good properties of both silicones and polyurethane adhesives. They may in time replace the more conventional silicones.

Silicone and MS products are considered relatively safe.

Suppliers are numerous: Dow Corning is the best known Silicone sealant maker and the new MS polymers are made by Novatech and called TEC7.

Always read the label, safety warnings and instructions.

Jonathan Wigham.

Two for the Price of One

Robert O'Connor paid a visit to the Dublin Chapter in April and demonstrated turning two items: A hollow form and a funnel. There was much to take in but thankfully Pacelli O'Rourke was on hand to record all the key points from Robert's demo.

Like many members of our Chapter I have been to Robert's wonderful gallery and shop in Gorey and was really looking forward to seeing him in action. I wasn't disappointed.



Item one: The Hollow Form.

Robert used a 150,mm(6") cube of dried sycamore for this item. He comes across as a very decisive turner, and lost no time in cylinderising the blank between centres. Tools need to be gimlet-edged for this man and I noted, as the demo was proceeding, that whereas he didn't use a grinder, he brought a sufficient supply of honed tools that he could always have the sharpest of edges to hand. He now formed the outer shape of the piece, using a deep fluted 10mm ($\frac{3}{8}$ ") gouge. Featherlight cuts brought this to a conclusion.



He now did a surprising thing, drilling 8 x 25mm (1") holes diagonally into the piece, so that we might see what was happening once the hollowing began. In fact this did not

necessarily mean 'destroying' the hollow form, for he held aloft a finished piece with precisely this configuration of holes having some pyrographic decoration and texturing which looked very attractive indeed.

Now Robert cut a spigot on the bottom, then mounted the piece in the chuck. Next job was to drill a 10mm ($\frac{3}{4}$ ") hole down the centre winding the bit into the wood with the tailstock wheel. I noticed he used his fingers around the shaft of the bit as a depth stop. It was necessary all the way through the hollowing process to keep clearing the item of shavings and wood dust. He quipped about how handy the holes were for this purpose. Normally he would be using an air line for this.



Next he opened up the neck a little for access, then continued more obliquely so as to undercut the opening. The gouge is held virtually on its left side during this process.

Hollowing.

Robert uses just two tools for this purpose. His main hollowing tool is a Woodcut. This is supplemented as necessary by a Sorby swan-neck.



He pointed out that, in the absence of the outer holes he would be relying largely on hearing to get the sense of what's happening inside. He has become so accustomed to this, that he has a good sense of wall-thickness by sound. He continues on down with the woodcut tool. Eventually he changes to the swan-neck highlighting the need to rest the straight part of the tool shank on the toolrest — NEVER THE CURVED SECTION!

He now undercuts the rim, and continues to further achieve uniformity of wall thickness. A fair bit of timber was left on the lower section for reasons of stability. Indeed, while the spectator has a strong sense of control and even ease within the turner, hollowing clearly represents a muscular challenge and is not for the faint hearted!

Having changed back to the 'woodcut', he now draws the tool up toward the opening end. Finally any 'humps and hollows' will be removed with the Sorby tool. Yet again we saw the meticulous dedication of the professional craftsman. Robert made an interesting marketing comment at this point, namely that "they (hollow forms) don't sell as well as they used to." I sense the ghost of a certain affluent 'tiger'!



At this point, Robert brought up the tailstock for support and went about fine-tuning the outside surface — very, very light gouge work followed by the lightest of applications of a flat scraper to achieve perfect curvature — without the little tell-tale undulations which beset many of our best efforts. He

was satisfied that “there is no need to sand it.”

Finishing off the Bottom.

Now the item needs to be reversed. To protect the opening, Robert used a small cone of elm in the headstock.



The tailstock is brought up to capture the piece taking great care with the pressure level! He finally denibbed the remaining stub with the skew - holding the item to his chest.



Mostly, Robert leaves a small, short spigot at the bottom, for mounting on a base of some kind. This could be wood, or stone, or slate. There really is no limit other than the turner’s imagination and the aesthetic sense of what ‘feels’ right.



An example brought by Robert to show how the hollow form can be decorated

Item Two: Straight Funnel/Tundish

The blank was a block of very hard ash, about 100mm (4”) square by 150mm (6”) long.

Again this is cylinderised quite fast, and a spigot formed for chucking.

“It’s very like turning a goblet.”

The end-grain hollowing was executed with a $\frac{3}{8}$ ” bowl-gouge.



Robert chose to drill a hole down the centre. This leads on to opening a straight sided taper down to the top of what will be the stem, forming the straight sided ‘hopper’ section of the item. The tool is sometimes pushed down and sometimes drawn back, tilted over to the left. He now turned a shallow lip on the rim.



Lathe-speed is increased for shaping the outside. Looking at the overhead camera view I was reminded of a potter drawing form out of clay. Robert ‘moves on’ quickly, till he is approaching critical moments toward the end of a process — then time ceases to be a factor.

He advises that you should ‘finish as you go’ since the stem of the item will be so slender as to be incapable of withstanding much physical force. In achieving the outer straight taper to match the inside of the funnel, I noticed that Robert used his thumb behind the cutting edge of the tool, thus

adding to the power behind the cut and enhancing control.

The callipers was in frequent use establishing uniform wall thickness. Finally, the drilled stem was reduced to a thinness and then parted off at an angle with a sharp hand-saw, with the lathe stationary. And Voila! A perfect tundish. I think I saw a wry smile from Robert when he said “You could sand it now — if you wanted to.” Asked what use such a ‘functional’ item could be put to, Robert shrugged his shoulders and suggested: “Well, you could use it to put oil in the lawnmower.”



Thank you Robert, for the meticulous way in which you prepared for and executed your task for us. And as always, thanks to our committee for organising the demonstration.

Pacelli O’Rourke

photos by Hugh Flynn and Rich Varney

Tree Council Rep



Tree Council
of Ireland

Best wishes to David Sweeney in his new role as the Irish Woodturners Guild representative on the Tree Council of Ireland.

The post was left vacant after Joe O’Neill stood down from The Tree Council in February, after a period of 22 years. At the Tree Council meeting in February, Joe was formally thanked by members of the tree council and a presentation was made in appreciation to Joe, for the dedication he has shown over the years. The presentation included a Family Tree certificate for the planting of a tree in Larch Hill to mark Joe’s time with The Tree Council.

Competition Results and Standings



Advanced	Total	Competition Item				
		Dec	Jan	Feb	Mar	Apr
Willie Reville	51	11	9	7	13	11
Cecil Barron	49	9	13	11	9	7
Owen Furniss	49	15	6		15	13
Henry East	28		15	13		
Joe O'Neill	25	5	5	6		9
Tony Hartney	21		5	5	11	
David Sweeney	20		11	9		
Pat M. Walsh	20		5	15		
Frank Gallagher	17	7		5	5	
Peter Mulvaney	15	5	5	5		
Seamus Carter	15					15
Seamus O'Reilly	13	13				
Michael McNamara	12			5	7	
John Holmes	10		5	5		
Tony Lally	7		7			
Rich Varney	6	6				
James Gallagher	6				6	
Malcolm Hill	5		5			

The March competition assignment in the Advanced, Experienced, and Beginners sections was a laminated turning. Our Judges were diligent as ever and selected the winners as Seamus Carter, Willie Edwards and John Sheeran. In the Artistic competition Cecil Barron's Glass and Bottle of Guinness took first place.

As always, well done to all who put a piece in to the competition.

*Competition Photos by
Hugh Flynn*

Experienced	Total	Competition Item				
		Dec	Jan	Feb	Mar	Apr
Alison Hurst	53	9	15	15	7	7
Pacelli O'Rourke	48	15	9		15	9
Noel White	48	13	11	11		13
Paul Murtagh	44	6	7	7	13	11
Willie Edwards	39		13		11	15
John Owens	25	7		13	5	
Peter Curran	15				9	6
Frank Maguire	12			6	6	
John Doran	11	11				
Sean Egan	9			9		

Beginners	Total	Competition Item				
		Dec	Jan	Feb	Mar	Apr
John Sheeran	60		15	15	15	15
John Duff	39		13	13	13	
Pieter Maanen	24			11		13
Pat Costigan	11					11

Artistic	Total	Competition Item				
		Dec	Jan	Feb	Mar	Apr
Cecil Barron	69	13	13	13	15	15
Frank Gallagher	22			9	13	
James Gallagher	15	15				
Malcolm Hill	15		15			
Henry East	15			15		
John Owens	13					13
Peter Mulvaney	11	11				
Paul Murtagh	11			11		
Pieter Maanen	11				11	
Joe O'Neill	9	9				
Pat Walsh	7			7		



Seamus Carter (Advanced)



Cecil Barron (Artistic)



Willie Edwards (Experienced)



John Sheeran (Beginners)

Workshop News



If you are free on Wednesday afternoon then why not come to the workshop for members.



The workshops take place at the scout hall every month on the Wednesday after the Saturday meeting. At the April meeting Owen Furniss made a mortar and pestle. Thanks to Tony Hartney for photos.

Keep your diary free for John Doran's workshop on Sunday 1st July at his home in Blessington.



The workshop that John hosted last year was blessed by some glorious weather and demonstrations of turning and more. Contact John Doran if you would like to attend.

You don't need a huge area like John to host a workshop. They are generally just a small get together of a few members. They offer a great opportunity to meet other turners and exchange ideas and tips. They don't require a huge degree of planning or a "big" project to be demonstrated. The host sets the limit on the number of attendees. This can be anything from two upward. Anyone from beginner upward can host a workshop and once adequate notice has been given, the Guild insurance covers the event. If you would like to host a workshop or have any questions about hosting or attending one, please contact John Doran.

Woodturning Classes

Joe O'Neill offers classes on Tuesday and Wednesday A.M. & Thursday nights.

Telephone: 087 623 0162
Email: rudyperudy@yahoo.com

Woodturning Tuition

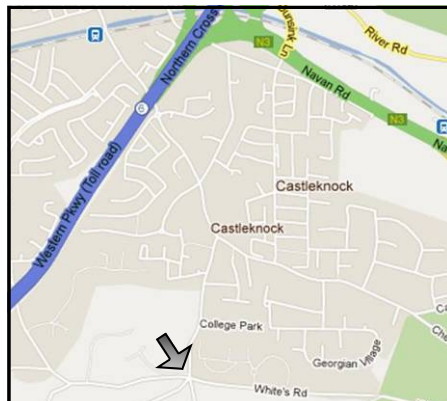
Morning, afternoon, evening or full day tuition available for 1 to 2 students. Graduate Lathe per student.

Contact: Peter Mulvaney
Telephone: 01 280 2745

Woodturning Supplies

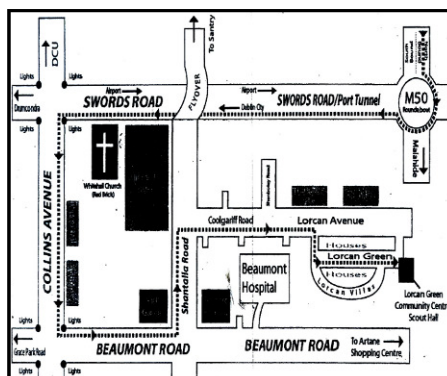
The Hut

Ph: 086 333 3226 / 086 813 2040
Email: dahut@live.ie
www.thehutwoodturningsupplies.com



Dublin 15 Chapter meet on the 3rd Thursday of every month, 7:30pm to 10pm, at Castleknock College.

www.craobhcuigdeag.org



Dublin East Central Chapter meet on the second Saturday of each month in Lorcan Green Community Centre / Scout Hall from 2.00 pm.

Tel: 086 8241470
www.eastcentralchapter.com

Woodturning Classes

Joe Laird woodturning Studios Half-Day, Full-Day, Evening and Weekend classes available (up to 5 students) for all skill levels.

Ph: 01 825 8079 / 087 269 8027
www.joelairdwoodturning.com

Committee

Chairman

Joe O'Neill
☎ 087 623 0162
✉ DWT.Chair*



Acting Secretary

Owen Furniss
☎ 087 252 2637
✉ DWT.Secretary*



Treasurer

Vincent Whelan
☎ 087 760 4918
✉ DWT.Treasurer*



Vice-Chairman

Joe McLoughlin
☎ 087 261 0803



Membership

Peter Mulvaney
☎ 01 280 2745
✉ DWT.Membership*



Competitions/Workshops

John Doran
☎ 087 639 3081
✉ DWT.Competitions*



Books & Video

Eamonn Boland
☎ 086 274 7600
✉ DWT.Library*



Exhibitions

Frank Maguire
☎ 087 285 3716
✉ DWT.Exhibitions*



Exhibitions

Adrian Finlay
☎ 087 983 8633



Newsletter

Rich Varney
☎ 086 832 7985
✉ DWT.Newsletter*



*When sending e-mail to the "DWT" addresses, remember to add "@gmail.com" to the end of the e-mail address given. For example DWT.Newsletter@gmail.com.