

BAY AREA



**WOODTURNERS**  
ASSOCIATION  
A CALIFORNIA NONPROFIT CORPORATION  
LOCAL CHAPTER AAW

August 2015

Volume 19, Issue 8

**Summer Picnic**  
**Sunday August 23 10:00 - 2:00**  
**147 Gregory Lane,**  
**Pleasant Hill 94523**

August brings our annual summer potluck picnic which is always a fun gathering. We will gather on Sunday the 23rd from 10 - 2 at the Pleasant Hill Community Park.

This year we will once again host the annual tool swap / sale which always has plenty of deals and steals. If you need to free up cabinet space, find those tools collecting dust and bring them along - they are sure to find a new home.

The President's challenge this year is to make "something to sit on that is 51% made on a lathe." I'm already hearing of great ideas and look forward to seeing what whimsical projects are presented for the coveted Best-In-Picnic award.

**The Event is potluck:** we are breaking up what to bring alphabetically by last name:

A - H : Salad (green, fruit, pasta...)

I - P : Desserts (How many types of pie are there?)

Q - Z: Drinks (non alcoholic)

Burgers and hot dogs will be provided, we are still looking for a couple BBQ masters to run the grill, please email John or Michele if interested.





# BAY AREA WOODTURNERS ASSOCIATION

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LOCAL CHAPTER AAW

## Club Meetings

Meetings are the 2nd Saturday of each month unless otherwise noted.

8:30 doors open for setup, use store and library, swap ideas, view displays

9:00—12:30 meeting and demo

**Meetings will be held at the PHEC Woodturning Center, 1 Santa Barbara Road, Pleasant Hill, CA.**

See [bayareawoodturners.org/](http://bayareawoodturners.org/) for directions and club information.

### **BAWA Officers Meeting -**

Officer meetings are open to all members. Contact [John Cobb](mailto:John.Cobb@bayareawoodturners.org) if you would like to be on the agenda.

## 2015 Event Schedule

|           |  |
|-----------|--|
| Aug 23rd  | BBQ  |
| Sept 12th | David Marks                                  |
| Oct 10th  | Mike Bulat: Off Axis and Multi Axis          |
| Nov 14th  | John Beaver 9:-00-3:30                       |
| Dec 12th  | Holiday Party, Auction and Raffle 11:30-3:00 |

The Bay Area Woodturners Association is a local chapter of the American Association of Woodturners. Our purpose is to provide a meeting place for local turners to share ideas and techniques and to educate the general public regarding the art of turning. The Association usually meets the second Saturday of each month. The Association periodically sponsors exhibitions and demonstrations by local and internationally known turners.

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Social Coordinator  
TBA

# Turn for the Troops

BAWA Members, during the Turn for Troops event held at our July meeting there were 61 pens turned by the attending members and with the additional pens turned outside of the event we will be turning in 132 pens to Woodcraft, who will then forward them to the Troops overseas. I would like to thank all of the BAWA members who participated in the event, especially Jim Rodgers for allowing us to use the Woodturning Center and his donation of 26 pens. The following pictures are of some of the participating members and a very nice pen with a note to the Troops by Mark Hannan.

Sincerely,  
Jeff Tanner



This the second year Jeff has handled all the logistic and prep work for the Turn for Troops event which is a huge undertaking. Once again it was a great event that shows our support for service men and women abroad - thank you Jeff for making a difference!



## Merryll Saylan: Twinning or Sister Guild



In 1989 a couple of turners and I decided to start a Woodturning Club, rather informally, and we met at my studio in Berkeley. That club became our Bay Area Woodturners. In early 1990, I left for a craft residency in England and then started a woodturning club there, the Cumbria Woodturners.

I had never thought about the concept of a sister club, twinning, until recently when I made contact with David Buskell of the Cheam Woodturners in England twinned with the Central Oklahoma Woodturners.

After several e-mails with David, I realized, what a great idea and maybe the Bay Area club and Cumbria could be sister clubs. Both clubs are about the same age, I'm a member of both. Both are great organizations. Both are in really beautiful and exceptional parts of the world. Both have given me an amazing community of friends and fellow turners. And so I thought I would broach the concept of a sister club.

There are advantages to being twinned with a club in another country – the exchange of ideas, sharing of newsletters and information, exhibition ideas and perhaps even a joint exhibition. Connections and friends in two beautiful areas: Cumbria is in the Lake District of England – lakes and hiking and Beatrix Potter. Bay Area – San Francisco and wine country and California.

On a personal level, I've gone back and forth and at one time, even brought back English lathes and chucks for people over here.

I'm writing this note to both clubs for input and to see if members are interested. Please let me know if you think this is an idea you might consider and I'll work on pursuing it. [merrylls@comcast.net](mailto:merrylls@comcast.net)

AAW has a link with some information about twinning.  
David [davidbuskell@yahoo.com](mailto:davidbuskell@yahoo.com) Cheam Woodturners.  
Michael [mreggio@mcloudteleco.com](mailto:mreggio@mcloudteleco.com) Central Oklahoma

<http://c.ymcdn.com/sites/www.woodturner.org/resource/resmgr/BestPractices/BestPrac-050-SisterGuildTwin.pdf>

### CRAFT SUPPLIES 10% DISCOUNT ORDER

The 10% discount applies to any published price (including sale items, close-outs, etc.) and there's no tax and S&H is free on almost all items. Craft Supplies has a new catalog that includes new items with a different item numbering system. There have been some price increases as well so don't use old catalogs. If you don't have the latest catalog please look on-line to pick your loot and check prices and item numbers.

Orders are placed by filling out an electronic order form which is available on the BAWA website. E-mail the form to Dean Adkins ([adkd@chevron.com](mailto:adkd@chevron.com)) with all the requested information:

- Member name, phone number and e-mail address
- Catalog item number
- Catalog page number
- Item description
- Quantity ordered
- List / sale price (before 10% discount)

You can call Dean (925-998-4111) to place an order, but must follow up with an e-mail to confirm all the required information.

## September meeting

David Marks will be our presenter as we begin the Fall portion of the demonstration calendar. David is recognized internationally as a master craftsman of fine furniture, turner, sculptor, and host of the television show "WoodWorks". which debuted on HGTV and the DIY Networks back in 2001.



David has built a career that started with furniture and evolved into more artistic pieces yet still relying on a foundation of expert woodworking. He began experimenting in the late 1980s with gilding and patinas. His patina finish is a hybrid of multiple finishes that he has developed. It combines painting, gilding (metal leafing), chemical patinas, and lacquering techniques. The complex layers result in a finish that may look ancient, metallic, or even stone like of an ancient, petrified stone quality.

This patination process has become David's trademark finish and is applied to sculptures as well as turnings. David's turning portfolio has pieces ranging from small hollowings to 4 foot diameter wall hangings. At a recent meeting at David's shop, he showed how he was hollowing a 3 foot tall maple hollow form with a captured bar assembly that weighed over 150 lbs in addition to the wood.

David will have a great presentation focusing on new surface embellishments that we have not see at the club recently: gilding, patination and marquetry. September 12th 8:30 - 3:30



# Letter from Tony Wolcott

Dear BAWA Club members,

As most of you know I am heading off to the Isles of Georgia Strait, between the Mainland and Vancouver Island, on a little spot called Pender Island. I am writing this letter to officially invite all of you to visit, not all at the same time. I also would like to thank the membership as a whole for all of the knowledge that they have imparted to me and to others. I plan on attending the July 11<sup>th</sup> meeting, but may or may not be at the August 23<sup>rd</sup> barbeque.

As for contact information there are only two at this point. My private e-mail [twiggs870@yahoo.com](mailto:twiggs870@yahoo.com) and a mailing address; Tony Wolcott, 2727 Spyglass Road, Pender Island, B.C., Canada V0N 2M2 (that is the number 0 not the letter O). I should shortly have a land line, remember those when the phone rings and you can just let it go. A cell phone too. I won't describe the island but will attach a few photos. I do hope that you will visit as it gets lonely between ferry schedules and whale sightings.



BAWA is a rewarding experience because the sum total of all the club expertise far outweighs the various parts. John Doyen is a highly skilled turner, but he is an entomologist as well, and his artistry extends to his garden where the right plants grow gloriously. So many others have shared their carving skills, metal work, furniture building, benches, tables, plastics and musical instruments. The list is endless.

My interest is more in the study of wood, identifying wood, understanding decay and why trees form burls. In a small way I hope that I have taught you a thing or two about the trees among us. At least you might have a twinge of guilt for saying, "Norfolk Island PINE!" I have enjoyed writing the monthly articles and presenting some of the lore of particular trees. I will write one more for the August meeting. Once I am in British Columbia I will continue to write on the subject and supply articles to BAWA.

Farewell to all. At the Hiker's Hut, the rough hewn benches and on the thick cedar table tops, the gruff cook slaps down your gruel in a wooden bowl with wooden utensils. You are at home.

-Tony Wolcott



# Women in Turning

**WIT is dedicated to encouraging and assisting women in their pursuit of turning, to sharing ideas and processes to further members' skills and creativity, and to increasing participation of women in the field of woodturning**

From an informal meeting at the AAW symposium in Phoenix in 2014, WIT got its start. A virtual chapter was formed, a Facebook site, and at the AAW Pittsburgh a first meeting was held with quite an impressive turnout. An exciting venture this year for WIT was a group project, a container/crate of eggs, each made by the members individually and sold at auction – the best seller in fact.

We decided a west coast meeting should take place. A chance to meet, talk about ideas, what would the group want, where do we want it to go.

A get together is planned for Saturday August 29, 11 AM at Merryll Saylan's studio.

It's potluck, informal, bring something of your work to share.

And if you know others that might want to join, bring'em along.

RSVP. [merrylls@comcast.net](mailto:merrylls@comcast.net)

Address: 927 Grayson St.  
Berkeley 94710  
510-647-9099



## President's Musings

August 2015



I just heard on the radio it is going to be 117 degrees in Phoenix, I think I cook on my BBQ at lower temperatures. Living in the Bay Area we are so fortunate that we can open our shop doors and windows on most summer days and enjoy fresh air and a breeze. A side note that many of us are guilty of: when sanding however don't assume a fan pushing dusty air out an open door is enough to reduce lung damage from wood particles. Always use a good mask or alternative air source when sanding or broom cleaning the shop. The particles you can't see do the most harm.

Speaking of harm, I dodged a huge bullet (aka flying acacia bowl shards) at my lathe last week and need to pay homage to the woodturning gods and reinforce the idea to always think safety.

The story: I had a 12" acacia bowl gathering dust in my shop that was turned green 3 years ago and had an unappealing warped rim. I decided to flatten the rim, something I have done many times and then finish the foot. So I put the existing tenon in a chuck and turned on the lathe and slowly accelerated to an appropriate speed. The second I touched the edge of a sharp bowl gouge to the rim, the bowl exploded into 3 pieces sending a large sharp fragment directly at my face. Certainly the shard was traveling fast enough to put me in the hospital for eye surgery, nose repair or stitches for a deep laceration. No doubt that was potentially a life altering event.

The result: Fortunately I have developed a habit of always wearing protective glasses and whenever I'm turning something that can fly, I wear a Uvex Bionic Face Shield. This isn't a baseball catchers helmet nor police riot gear, it's just a good sturdy faceshield that only costs \$40. The flying shard literally came at me between the eyes and simply glanced off the face shield with a very loud whack. Surprisingly I was not stunned or bruised from the impact; wearing quality safety equipment did it's job and completely protected me in this incident. I can't emphasize enough when you turn on your lathe, the importance of taking the right precautions; one of which is owning and making a habit of using a good face shield.



Post Mortem: Why did it happen? After tracking down the other bowl pieces that flew around the shop, I reconstructed the bowl and saw why I hadn't finished the bowl in the first place. There was a super thin spot in the bottom of the bowl near the tenon that instantly failed when I touched the tool to the rim. Lesson learned, pay attention and be safe.

Penance: Rather than say 50 Hail Marys, I figure I'll spend part of the emergency room copay I saved on something that may help a few fellow turner be safer. I bought 5 Uvex face shields and will discount them to \$20 at the picnic. If you don't have a good face shield or need an upgrade come and pick one up.

*(Continued on next page)*

## President's Musings

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Now on to the good stuff. The annual picnic is this Sunday and is always a highlight of the summer. It's a great chance to have a club gathering away from the shop, where we can talk tools, wood or any other subject. The tool swap always has gems, and is a great chance to get rid of equipment you never use. And of critical importance, don't forget the president's challenge: make something that you can or could sit on which is 51% turned on a lathe. Corwin is gunning for the top prize again - lets see who can *unseat* him.

Looking forward, September begins 3 months of fantastic demonstrators. David Marks, a professional woodturner, craftsman and expert on metal patination will be here in September. BAWA club member Mike Bulat who moved to the East Coast is returning in October to demonstrate multi axis skills and finally John Beaver who does crazy destruction and reconstruction will be here in November. Each one of these events will be worth the price of our annual membership fee. High five to Paul Litzky for coordinating a top notch program.

I also want to highlight 2 initiatives long time club member Merryll Saylan is spearheading. Merryll is organizing a West Coast gathering for Women in Turning which had a strong start at the 2014 AAW symposium. Secondly she is organizing a Sister Club opportunity with a woodturning club in England. I'm ready for a trip across the pond, however I'm not sure my Oneway will fit in my luggage. See her articles for details. Two excellent programs for BAWA members to get involved in - thank you Merryll for making these opportunities possible.

I look forward to seeing everyone on Sunday from 10 - 2 pm

Keep turning.

John Cobb  
President  
Bay Area WoodTurners Association

## Sit On It!



Our illustrious president has decreed that the challenge will be to turn something we can sit upon and to bring said object to the BAWA picnic August 23.

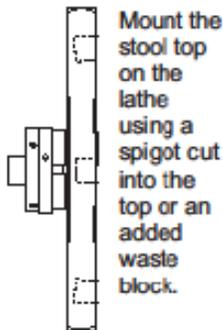
If you are running low on ideas, here are the plans for a 3 legged stool from my New Zealand woodturning friends. It's not rocket science (although it appears to be closely related).

*(Plans on following pages)*

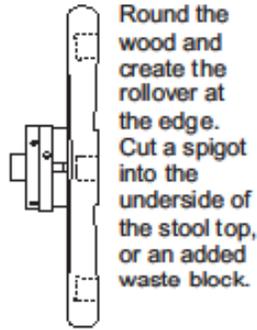
### Three-legged Stool

A three-legged stool will be stable on uneven surfaces, and may even be built without perfectly equal leg lengths. Dimensions for this stool are the makers choice.

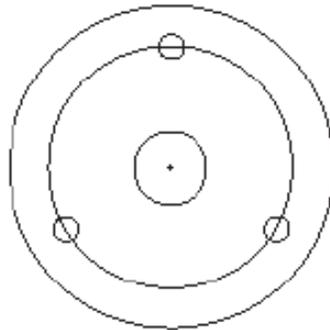
There are numerous ways to get the stool top mounted on the lathe for shaping: screw a large waste piece on with screws at the planned position of the leg holes; or glue on waste blocks; or hold the wood between centres to cut the first chuck bite; or use a vacuum chuck while cutting the first chuck bite; or drill a shallow screw chuck hole on the under side and decorate it later.



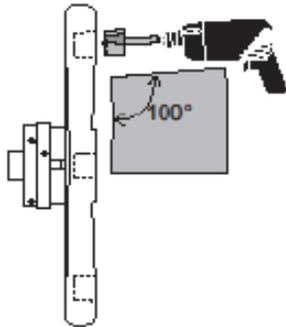
Mount the stool top on the lathe using a spigot cut into the top or an added waste block.



Round the wood and create the rollover at the edge. Cut a spigot into the underside of the stool top, or an added waste block.



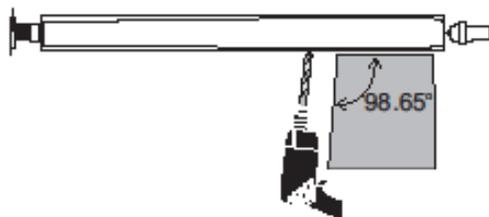
Draw a circle with a radius that is between 3/4 and 7/8 of the radius of the stool top. Mark the positions for the three legs on that circle using the lathe index or stepping around with a compass set to the radius of the circle.



Drill the leg holes. The holes may pass completely through the top or only part way depending on your choice of leg fixing method - glue joint; blind tenon; or right through and wedged.

The holes should all be at the same angle. Make a template (100° recommended) to ensure consistency. Use a drill holding jig if possible.

Turn the stool top over and finish the upper side. Then turn it again. Hold it in Cole jaws, Longworth chuck, vacuum chuck, or other method to remove the spigot from the under side. Finish the under side.

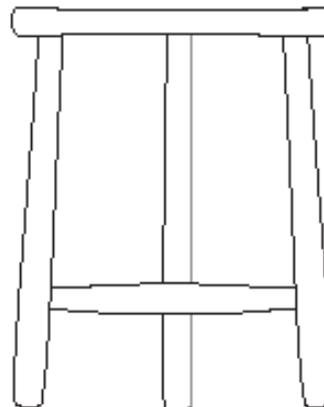


Mount the wood for the legs between centres and turn it to round. Drill the holes for stretchers at this stage. The 100° template will work for the angle but a 98.65° angle is more accurate. Then turn the three legs to shape and finish.



To calculate stretcher length either use math, or dry fit the legs and measure. Turn the three stretchers between centres and finish.

Assemble the stool

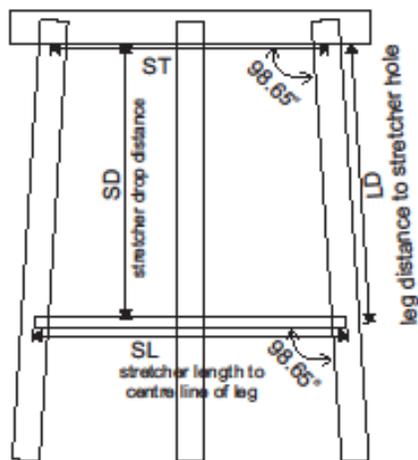
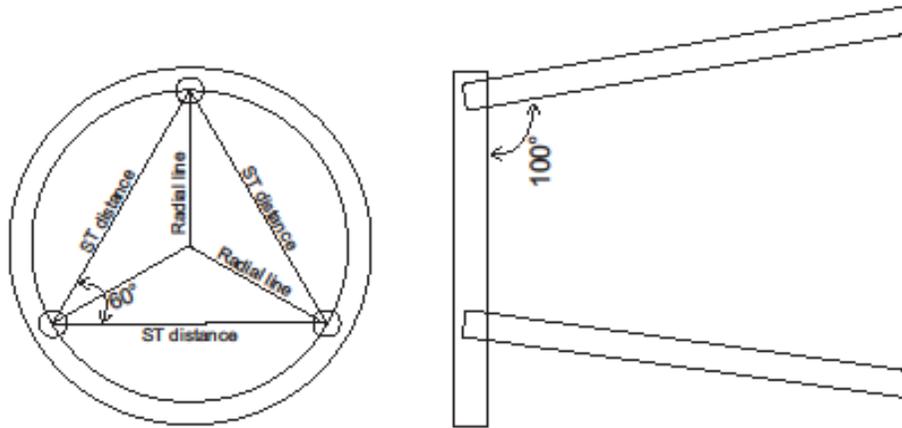


*This project sheet was printed from [www.sawg.org.nz](http://www.sawg.org.nz)*

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## Calculating Stretcher Details

The legs of a three-legged stool are sloped outwards at an angle of  $10^\circ$  from vertical, or  $110^\circ$  measured on a radial line from the centre of the stool top. To calculate the length of a stretcher to be fitted between these splayed legs can be a challenge.



| SD  | LD  | Add  |
|-----|-----|------|
| 150 | 151 | 17.5 |
| 160 | 161 | 18.7 |
| 170 | 171 | 19.9 |
| 180 | 181 | 21.0 |
| 190 | 191 | 22.2 |
| 200 | 201 | 23.4 |
| 210 | 211 | 24.5 |
| 220 | 222 | 25.7 |
| 230 | 232 | 26.9 |
| 240 | 242 | 28.0 |
| 250 | 252 | 29.2 |
| 260 | 262 | 30.4 |
| 270 | 272 | 31.6 |
| 280 | 282 | 32.7 |
| 290 | 292 | 33.9 |
| 300 | 302 | 35.1 |
| 310 | 312 | 36.2 |
| 320 | 322 | 37.4 |
| 330 | 332 | 38.6 |
| 340 | 342 | 39.7 |
| 350 | 352 | 40.9 |
| 360 | 362 | 42.1 |
| 370 | 373 | 43.2 |
| 380 | 383 | 44.4 |
| 390 | 393 | 45.6 |
| 400 | 403 | 46.7 |

The angles of the legs when measured on the line between each leg (the ST distance), is  $96.66^\circ$ . The stretcher holes in the legs should be drilled at this angle. The ST distance is known or can be measured. The SD length will be your choice. The SL stretcher length is therefore ST distance plus  $2 \times$  Add (from the table). Add or subtract the distance the stretcher hole bottoms are from the leg centre line. To be super accurate positioning the stretcher holes use the length LD from the table beside the SD length in use.

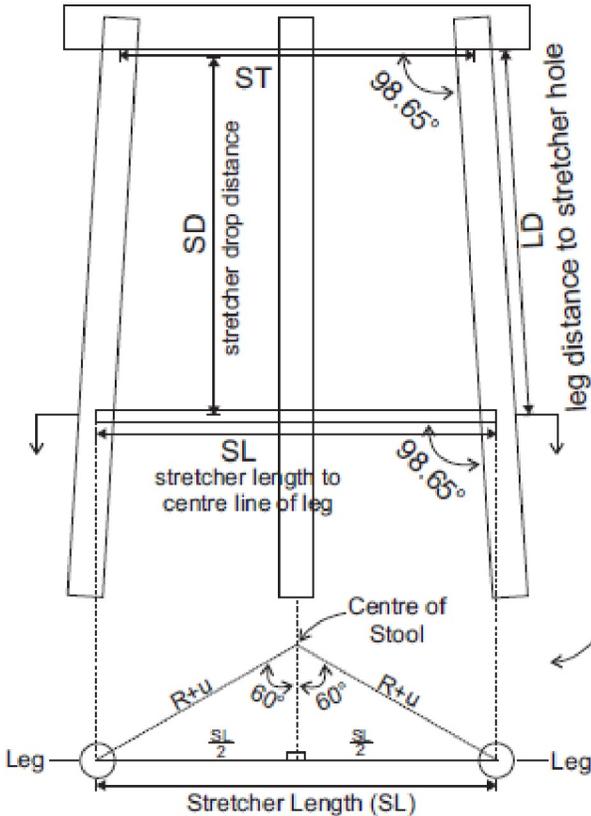
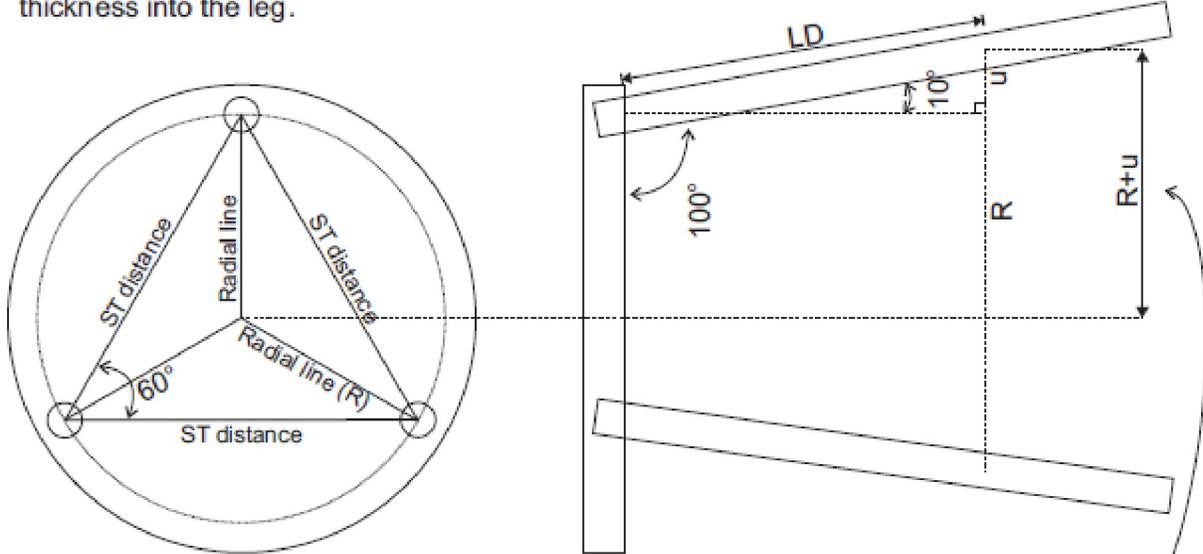
The data in the table are derived from the website <http://saltire.com/applets/triangles/tri1s2a.htm>

*This project sheet was printed from [www.sawg.org.nz](http://www.sawg.org.nz)*

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### Three-legged Stool Calculations

This page provides a mathematical method to calculate the stretcher length for a three-legged stool. It does presume that the stretcher extends in to the centre of the leg but many woodworkers advise that the stretcher should not go more than one third of the leg thickness into the leg.



#### To find stretcher length (SL)

We first have to find  $R + u$   
 $R$  = radius to the leg holes  
 $u$  = unknown radial at stretcher height

$$\sin 10^\circ = \frac{u}{LD}$$

$$u = LD \sin 10^\circ$$

The angle at the centre of the stool between the radial lines =  $120^\circ$

Make an imaginary triangle at the plane of the stretchers and dissect it to make two right angle triangles

$$\sin 60^\circ = \frac{\frac{SL}{2}}{R + u}$$

$$\frac{SL}{2} = (R + u) \sin 60^\circ$$

$$SL = 2(R + u) \sin 60^\circ$$

$$\text{Stretcher} = 2(R + LD \sin 10^\circ) \sin 60^\circ$$

$$\sin 60^\circ = 0.866$$

$$\sin 10^\circ = 0.1736$$

$$\text{Stretcher} = 2 \times 0.866 (R + (LD \times 0.1736))$$

$$\text{Stretcher} = 1.732 \times (R + (LD \times 0.1736))$$

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