

SEGMENTED MOB MEETING NOTES
MELVILLE CLUBROOMS
Thursday 24 September, 2023

Present – Syd Harvey, Ian Hamilton, Noel Moyes, Aiton Sheppard, Colin Truscett, Jon Brain, Ross Flint, Stan Nolan and Ivan Lucic.

Apologies – Ray Dallin, Tania Emmerson, and John Townsend.

WELCOME

Today's meeting was held outside and in the shed because Stephen Hughes was using the Melville Group's workshop for a hands-on day following his demonstration yesterday. Syd welcomed everyone and initiated discussion on cutting the shapes for the soccer ball project. Refer notes below.

BUTTERFLY VESSEL PROJECT

Aiton has circulated the design and the amended cutting list that Noel prepared for 12 segment rings. The central, higher, ring to be embellished or act as a feature ring. For this meeting we had to prepare the bottom series of 4 rings. A base may be added together with sacrificial timber for the spigot. Next meeting we will assemble the central feature ring and finally finish the top 4 rings. Tania offered to make up butterflies for whoever may want them.

Aiton tabled his amended design and cutting list from the on-line John di Sefano Segment Helper www.johndistefano.com.au The design and cutting list are appended at the end of these notes, and was prepared for the changes needed for Aiton to convert the original into a biscuit barrel. Syd also prepared a cutting list for 12 segment rings and replacing the high feature ring with lower rings. Contact Syd if you would like a copy of his cutting list.

SOCCER BALL PROJECT

Syd handed out paper templates and cut MDF for us to stick these onto to cut the 12 pentagon and 20 hexagon shapes required. The sides of the shapes are cut at an angle of 20.08 degrees. Accuracy is key so the

use of 'toggle' clamps is recommended to hold the pieces firmly while cutting.

The [YouTube video](#) to watch is Andrew R Conti Snr, "Soccerball Bead Ball". A table saw jig may be found at '[Hexagon Cutting Jig 2.0 | Cut a Hexagon any Size | Adjustable Table Saw Jig for Cutting Hexagons – YouTube](#)'.

Noel described the problems he had cutting the pieces accurately. Syd believed it may be an issue with Noel's saw table?

DUMMY SHELL PROJECT

Dummy shells 9.75"X31" shells for Rottnest Island is a project that can be made up from scrap timber. Note for future discussion.

WEBSITE

<https://drive.google.com/drive/folders/1ZXKXiCAKthAjxLWn1NCrY9UHL1xim9Cz>

Ian Ludford also has our page set up on the WAWA web page the link to which is <https://www.woodturnerswa.org.au/segmenters/>

SUGGESTED PROJECTS

1. More hands on demonstrations.
2. Learning to make feature rings. (Basic through to advanced.)
3. Training video suggestions on website or YouTube.
4. Jig designs and specifications to use when preparing, cutting, assembling, or turning your project.
5. A team project from start to finish at meetings with all members being involved. This will then be sold for Seggie fund raising. Tania's artistic challenge may result in a suitable item for this.

AROUND THE TABLE

SYD – Syd suggested purchasing a new sander to replace the renovated finishing machine. This was agreed at the last meeting.

ROSS – will purchase the new sander from Hare and Forbes next week and have it available at the next meeting.

AITON – advised that the updated 'Segment Helper' calculator program is an on-line aid which may be found at www.johndistefano.com.au Aiton has always drawn his designs and calculated the segment lengths using John di Stefano's free program. Aiton also took bandsaw blades for sharpening by Carbide Tools, Wangara, and found BioSteel 8/10/12 tpi bandsaw blades similar to those used by Trev are available there. At the Stephen Hughes demo yesterday, 'Sealac OL300' was mentioned. It is available from 22 Services and a 6lt can works out at \$25/lt.

TANIA – although an apology because she was participating in the Stephen Hughes hands-on day in the Melville clubroom, came out at lunchtime and showed some of the butterflies she had offered to decorate the butterfly vessel for members with.

The meeting adjourned to the shed where Aiton was assisted by Noel to cut pieces to make up 5 feature rings for his biscuit barrel and Stan was assisted to sand his 3D trivets. Others busied themselves vacuuming and tidying up the shed for our use. At lunchtime we had a pleasant social BBQ break.

2023 MEETING DATES

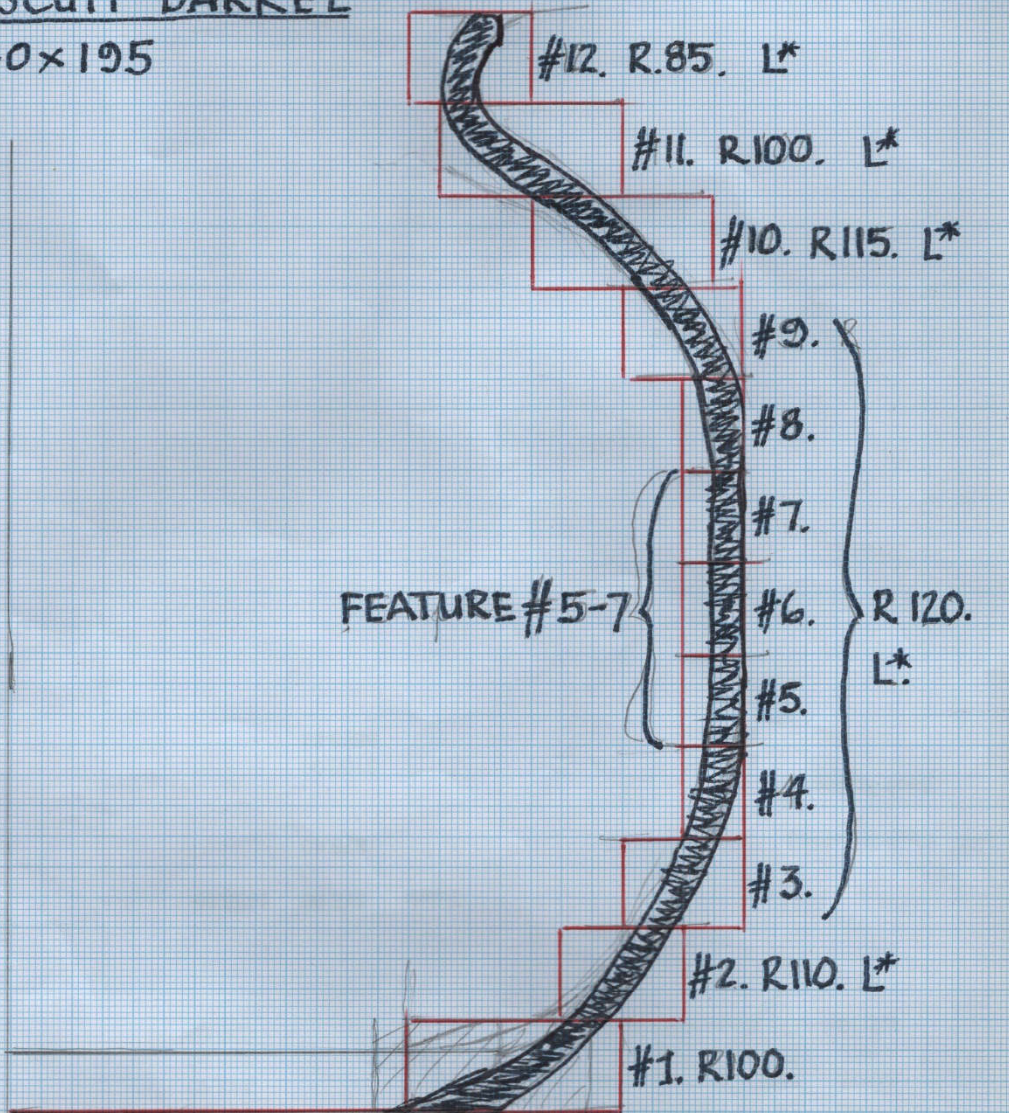
OCTOBER – **Thursday 5**, Sunday 15, and Thursday 26.

NOVEMBER – Sunday 5, Thursday 16 and Sunday 26.

DECEMBER – Sunday 3. Noel is arranging the annual wind-up, to be held at "The Seventh Avenue" pub in Midland. Butterfly Vessel project to be completed and brought along for show & tell and most popular vote.

BISCUIT BARREL

240x195



BASE $\phi 160$ H A11 A15.15

W 35 #1.

W 30 #10 & 11.

W 20 #2, 3, 9, 12.

W 10 #4-8.

* L - refer cutting list.

Segmented Turning Helper for the Web-2023

Gap Value:
 Open Project File: No

Units:

Ring Data

Ring Number: 12 Title: **Biscuit Barrel 204x195**
 Timber: **Jarrah**
 No. of Segments: **12**
 Mitre Angle: **15**
 Segment Thickness: **15**
 Segment Width: **20**
 Radius: **85**

Base: Timber: **Jarrah** Diameter: **120** Thickness: **15** All units in millimeters. List of

Ring No.	Timber	No. Of Segments	Mitre Angle	Segment Thickness	Segment Width	Radius	Segment Length	Vernier Length	Total Length	chk
1	Jarrah	12	15	15	35	100	53.59	51.76	679.08	<input type="checkbox"/>
2	Jarrah	12	15	15	20	110	58.95	56.94	743.39	<input type="checkbox"/>
3	Jarrah	12	15	15	20	120	64.31	62.12	807.69	<input type="checkbox"/>
4	Jarrah	12	15	15	10	120	64.31	62.12	807.69	<input type="checkbox"/>
5	Jarrah	12	15	15	10	120	64.31	62.12	807.69	<input type="checkbox"/>
6	Jarrah	12	15	15	10	120	64.31	62.12	807.69	<input type="checkbox"/>
7	Jarrah	12	15	15	10	120	64.31	62.12	807.69	<input type="checkbox"/>
8	Jarrah	12	15	15	10	120	64.31	62.12	807.69	<input type="checkbox"/>
9	Jarrah	12	15	15	20	120	64.31	62.12	807.69	<input type="checkbox"/>
10	Jarrah	12	15	15	30	115	61.63	59.53	775.54	<input type="checkbox"/>
11	Jarrah	12	15	15	30	100	53.59	51.76	679.08	<input checked="" type="checkbox"/>
12	Jarrah	12	15	15	20	85	45.55	44.00	582.62	<input type="checkbox"/>

*If you are new to this app see the PDF documentation at the bottom of the page. Click on one of the five project icons at the top of the page for a sample project.

Notes:

Stock List:
 Jarrah, Thickness: 15.00mm, Width: 10.00mm: Total Length = 4038.47mm
 Jarrah, Thickness: 15.00mm, Width: 20.00mm: Total Length = 2941.39mm
 Jarrah, Thickness: 15.00mm, Width: 30.00mm: Total Length = 1454.62mm
 Jarrah, Thickness: 15.00mm, Width: 35.00mm: Total Length = 679.08mm

AutoDraw

 Click + or - buttons to scale drawing.
 Line Model
 Segment Model
 Top View

Click drawing area to show width lines and ring numbers.