Southwest Idaho Woodturners Association

The Treasure Valley Woodturner's club
Meets monthly on the 2nd Tuesday at 6:30 PM
At the Woodcraft store in Boise ID.
7005 W. Overland Rd
Boise ID.

http://www.swiwt.org.

April 2019

Club Officers

President:	Aaron Cornell
Vice President:	Scott Taylor
Secretary:	Tom Turco
Treasurer:	Tom Turco
Librarian:	Liz Meyer &
	Marlise Schmidt
Directory:	Marcia Miller
Newsletter:	Ellis & Marcia
	Miller
Advisory Board:	Marsha Baker
	Sid Bright
	Gary Smith

Contents

Demonstration

Wayne Rexford did our demo on the wedgie sled, and how to make your own. Wayne went a step further. Not only did he give the demonstration, he cut all of the parts needed for twelve sleds and donated them to the raffle. He included detailed written instructions for the completion of the wedgie sled (see pages 3-6).
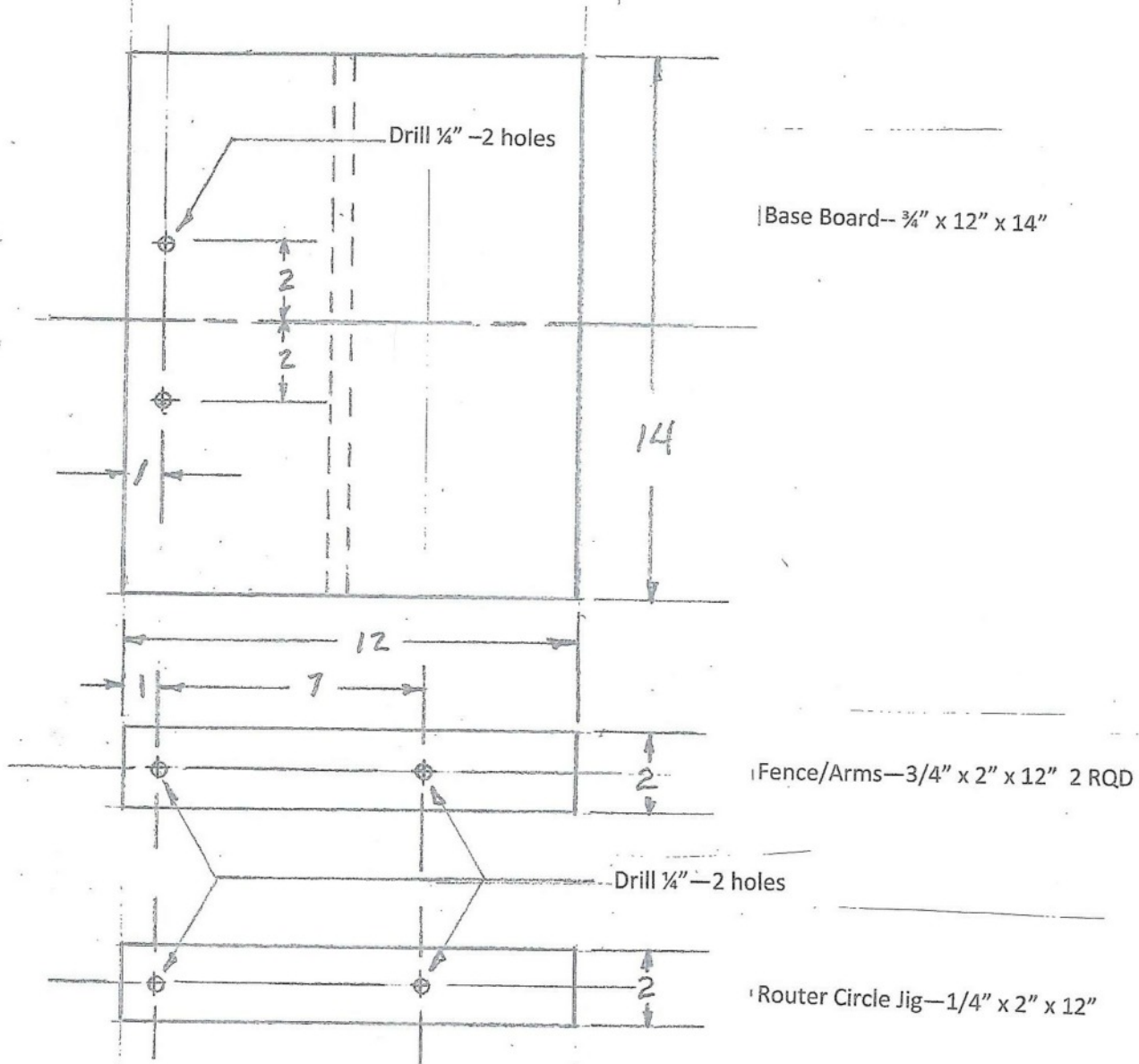
During the meetings I make a video recording of the entire club meeting. I use this to do the newsletter. I am not sure how it happened, but this month's video was lost after I downloaded it to my computer. I had already formatted the video camera's data card. As a result, I have no video.

Wayne put together excellent instructions that you can follow to build a wedgie sled. If you have questions, I know Wayne will be happy to guide you through any problems you encounter.

DIRECTIONS

Cut 1-- ¾ x 12 x14 base

Cut 2—3/4 x 2 x 12 arms

Cut 1—1/4 x 2 x 12 router circle jig

Layout center line 12 " direction on base

Layout and drill 10-- ¼" holes, 2 in base, 2 ea. Arm and 2 router jig

Attatch router circle jig to router base. Double stick masking tape. Hole toward middle over ¼ router bit.

Cut ¼" swings. End held in place with carriage bolt. Cut through.

Change bits to 5/8" . Reverse sides and cut ¼" deep pocket to hold carriage bolt head. Use carriage bolt to swing.

Single plunge 2 hole front of base and 1 length of segment base.

Insert Carriage bolts through base and arms

Attach 4 knobs. See source for knobs on drawing.

Place base with knobs closest to edge against saw blade and bring up rip fence to hold base.

Mark miter gage slot. No dimension given. Each table saw different.

Prepare UHMW miter gage strip. 14" long. Drill 5 holes shank size of screw and countersink. End holes toward edge. 1 1/4" from end. Jig saw to hole both ends.

Attach strip to base. Double stick tape. Lift UHMW up with washers. Thick side of strip toward saw blade.

Attach with screws. No play L or R. If play or won't slide, adjust 2 end screws.

Use fence, raise blade and make slight trim pass of base.

Set angle. 45 gives 8 segs, 30—60 gives 12 segs and 22 ½ gives 16 segs. Use center line. Bisect angle.

Assemble length of segment stop. 2—3/4 x 7/8 x 12 with 5/16 x ¾ spacer each end. Glue on end board. Attach UHMW 3" Use 2 screws. Countersink. Glue in ¼ dowel and set in carriage bolt and knob. End block ¼ inch from blade at 0 .

Slant board. ¾ x 2 x 12. 2 rare earth magnets. Helps segs fall away from blade after cut off.

Cut a trial board ¾ x 1 ½ x 16 to proof angle. S4S Mark top and 1 edge with marker.

Set stop. Cut pieces to form ring. Check for tightness. Adjust angle if necessary.

Length of seg. Chart.

WEDGIE SLED

Drill ¼" –2 holes

Base Board-- ¾" x 12" x 14"

Fence/Arms—3/4" x 2" x 12" 2 RQD

Drill ¼"—2 holes

Router Circle Jig—1/4" x 2" x 12"

Star knobs—1/4"-20 thru hole—5 ea
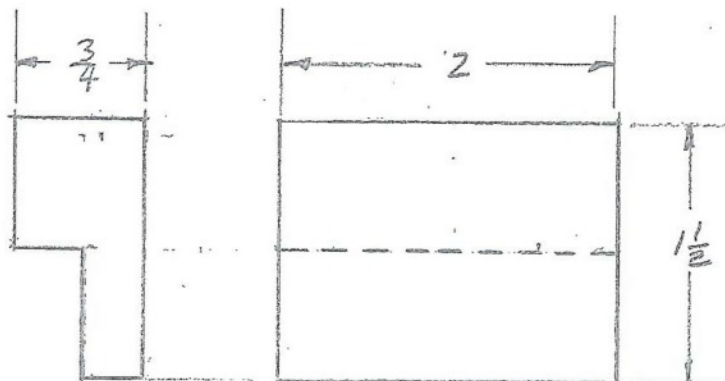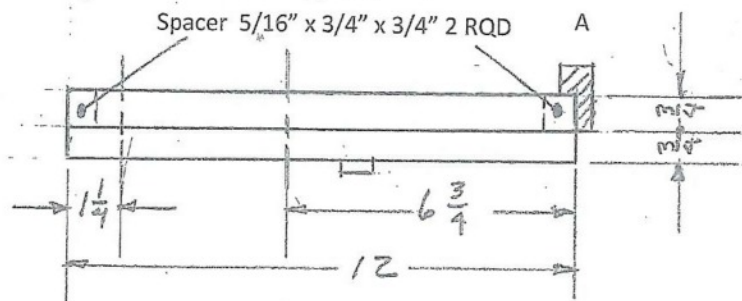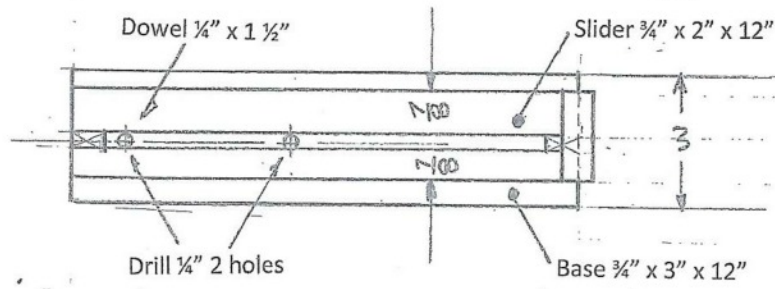
Amazon.com five star knobs

Innovative components—1.38 x ¼"—20

AN4C-5S221 Pack of 10/$13.08

¼-20 x 2" 5 ea. Carriage bolts

SEGMENT LENGTH STOP GAGE

Dowel ¼" x 1 ½"

Slider ¾" x 2" x 12"

Drill ¼" 2 holes

Base ¾" x 3" x 12"

3

Spacer 5/16" x 3/4" x 3/4" 2 RQD   A

1¼

6¾

12

¾
¾

¾

2

1½

Full size stop end   A

5

LENGTHS OF PIECES FOR SEGMENTED RINGS

Segments		8	10	12	14	16	18	20	22	24
Degrees		22.5	18	15	12.857	11.25	10	9	8.181	7.5
Diameter	**Board length**									
2	12	13/16	5/8	1/2	7/16	3/8	3/8	5/16	5/16	1/4
2 1/4	12	7/8	11/16	9/16	1/2	7/16	3/8	3/8	5/16	5/16
2 1/2	13	1	13/16	5/8	9/16	1/2	7/16	3/8	3/8	5/16
2 3/4	14	1 1/16	7/8	3/4	5/8	9/16	1/2	7/16	3/8	3/8
3	15	1 3/16	15/16	13/16	11/16	9/16	1/2	1/2	7/16	3/8
3 1/4	16	1 1/4	1	7/8	3/4	5/8	9/16	1/2	7/16	7/16
3 1/2	17	1 3/8	1 1/8	15/16	13/16	11/16	5/8	9/16	1/2	7/16
3 3/4	18	1 1/2	1 3/16	1	13/16	3/4	5/8	9/16	9/16	1/2
4	18	1 9/16	1 1/4	1 1/16	7/8	13/16	11/16	5/8	9/16	1/2
4 1/4	19	1 11/16	1 5/16	1 1/8	15/16	13/16	3/4	11/16	5/8	9/16
4 1/2	20	1 3/4	1 7/16	1 3/16	1	7/8	13/16	11/16	5/8	9/16
4 3/4	21	1 7/8	1 1/2	1 1/4	1 1/16	15/16	13/16	3/4	11/16	5/8
5	21	1 15/16	1 9/16	1 5/16	1 1/8	1	7/8	13/16	11/16	5/8
5 1/4	22	2 1/16	1 5/8	1 3/8	1 3/16	1	15/16	13/16	3/4	11/16
5 1/2	23	2 3/16	1 3/4	1 7/16	1 1/4	1 1/16	15/16	7/8	13/16	3/4
5 3/4	24	2 1/4	1 13/16	1 1/2	1 5/16	1 1/8	1	7/8	13/16	3/4
6	24	2 3/8	1 7/8	1 9/16	1 3/8	1 3/16	1 1/16	15/16	7/8	13/16
6 1/4	25	2 7/16	1 15/16	1 5/8	1 3/8	1 1/4	1 1/16	1	7/8	13/16
6 1/2	26	2 9/16	2 1/16	1 11/16	1 7/16	1 1/4	1 1/8	1	15/16	7/8
6 3/4	27	2 5/8	2 1/8	1 3/4	1 1/2	1 5/16	1 3/16	1 1/16	15/16	7/8
7	27	2 3/4	2 3/16	1 13/16	1 9/16	1 3/8	1 1/4	1 1/8	1	15/16
7 1/4	28	2 7/8	2 1/4	1 7/8	1 5/8	1 7/16	1 1/4	1 1/8	1 1/16	15/16
7 1/2	29	2 15/16	2 3/8	1 15/16	1 11/16	1 1/2	1 5/16	1 3/16	1 1/16	1
7 3/4	30	3 1/16	2 7/16	2	1 3/4	1 1/2	1 3/8	1 3/16	1 1/8	1
8	31	3 1/8	2 1/2	2 1/8	1 13/16	1 9/16	1 3/8	1 1/4	1 1/8	1 1/16
8 1/4	31	3 1/4	2 9/16	2 3/16	1 7/8	1 5/8	1 7/16	1 5/16	1 3/16	1 1/16
8 1/2	32	3 5/16	2 11/16	2 1/4	1 15/16	1 11/16	1 1/2	1 5/16	1 3/16	1 1/8
8 3/4	33	3 7/16	2 3/4	2 5/16	1 15/16	1 11/16	1 1/2	1 3/8	1 1/4	1 1/8
9	34	3 9/16	2 13/16	2 3/8	2	1 3/4	1 9/16	1 7/16	1 5/16	1 3/16
9 1/2	35	3 3/4	3	2 1/2	2 1/8	1 7/8	1 11/16	1 1/2	1 3/8	1 1/4
10	36	3 15/16	3 1/8	2 5/8	2 1/4	1 15/16	1 3/4	1 9/16	1 7/16	1 5/16
10 1/2	38	4 1/8	3 5/16	2 3/4	2 3/8	2 1/16	1 13/16	1 5/8	1 1/2	1 3/8
11	40	4 5/16	3 7/16	2 7/8	2 7/16	2 3/16	1 15/16	1 3/4	1 9/16	1 7/16
11 1/2	42	4 1/2	3 5/8	3	2 9/16	2 1/4	2	1 13/16	1 5/8	1 1/2
12	43	4 11/16	3 3/4	3 1/8	2 11/16	2 3/8	2 1/8	1 7/8	1 11/16	1 9/16
12 1/2	45	4 15/16	3 15/16	3 1/4	2 13/16	2 7/16	2 3/16	1 15/16	1 13/16	1 5/8
13	46	5 1/8	4 1/16	3 3/8	2 15/16	2 9/16	2 1/4	2 1/16	1 14/16	1 11/16
13 1/2	48	5 5/16	4 1/4	3 9/16	3	2 5/8	2 3/8	2 1/8	1 15/16	1 3/4
14	49	5 1/2	4 3/8	3 11/16	3 1/8	2 3/4	2 7/16	2 3/16	2	1 13/16
14 1/2	51	5 11/16	4 9/16	3 13/16	3 1/4	2 7/8	2 1/2	2 1/4	2 1/16	1 7/8
15	53	5 7/8	4 11/16	3 15/16	3 3/8	2 15/16	2 5/8	2 3/8	2 1/8	1 15/16

Formula for figuring segment angles:

360° ÷ # of segments ÷ 2 = angle on each end of each segment

Formula for figuring segment length:

diameter x π = circumference ÷ # of segments = length of segment

Linda Salter   650-365-4093   Lindasalter@comcast.net

Show and Tell

Ken Viste

Inside out turning. Walnut. 5" high, 2" diameter. Blue ribbon winner at AIW.

Darryl Sackmann

Lidded Box. Thuya Wood. 7" high, 2 1/2" diameter.

Scott Taylor
Bowl
Unknown wood. Shellac and tung oil. 11 1/2" diameter, 3" high.

Wes Pilley
Four turnings from his Rose Engine lathe. Notice that top, inside top, inside bottom and bottom are decorated. #1 was turned by his friend, Al Collins

1

2

3

4

1

2

3

4

Dan Oliphant
Hollow form
Carob w/turquoise inlay
9" X 6"

Joe Keddie
Coin rack
Claro Walnut

Bruce Johnstone

Maple goblets with inlayed Celtic Knots.

Left: Two Maple goblets.   Right: Custom made tail stock support for the goblets.

Over the past twelve years Marcia has had three major back, spine surgeries. She started to have a lot of pain in her back. We have had numerous doctor appointments since early January. She has had some relief, but she is still experiencing pain. Some days are worse than others. On the day she was going to do her baking, it was a painful day. We both decided a trip to Costco was the best thing do to. Since she agreed, I know she had to be hurting bad. She takes a lot of pride in baking for the club. She loves the feed back she gets when she bakes.

Bowl Exchange

Peter Remmen made this bowl for the Bowl Exchange. The bowl is Elm, with a paint finish and wipe on Poly. 7 5/8" Diameter, 1 3/4"
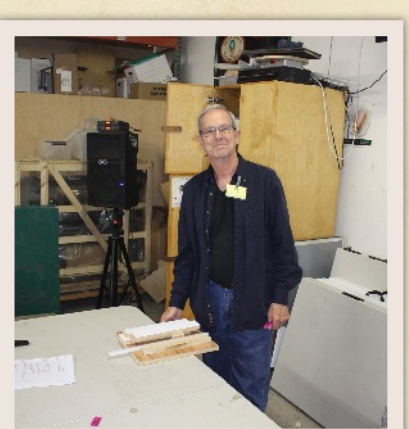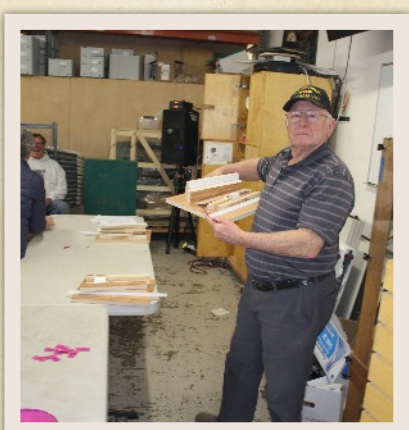

The winner is:

Happy Raffle Winners
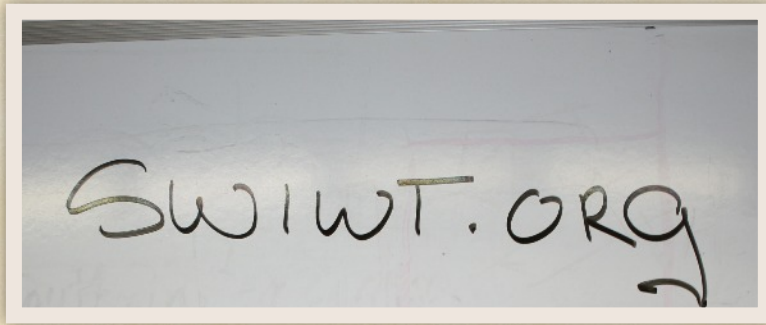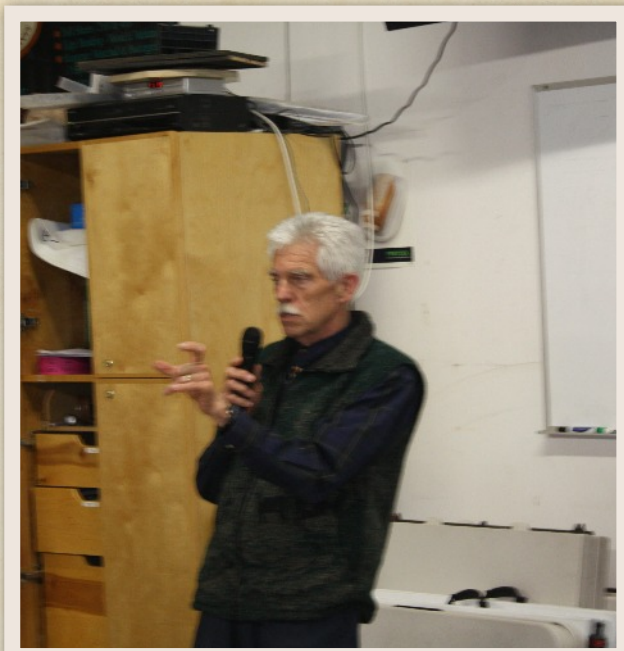
New Members

Mike Thompson

Ruth Woods

Ted Jeffcoat

The new web site address

Tom told us about the new website. Many of the features are up and running. There is still some work to do on the pictures.

Be sure and check it out. The address is shown above.

Rich updated us on AIW. Overall attendance was down. Several factors contributed to the low attendance. The clubs entries were also down.

A representative from Elmore County Volunteer Search and Rescue team visited the meeting. They will be having an auction September 28th, 2019. They are seeking items that can be raffled or auctioned off. See page 18 for additional information.

Elmore County Search & Rescue

Elmore County Search & Rescue (ECSAR) is organizing our 1st Annual "Outdoorsman" Banquet. It will be held at the Mountain Home Elks Lodge on September 28th, 2019.

Elmore County Search & Rescue is a group of volunteers who donate their time and equipment to help those that might be in trouble. We are affiliated with the Elmore County Sheriff's Department.

ECSAR operates within the boundaries of Elmore County, nearly 4000 square miles. We assist other Search and Rescue units outside of Elmore County with permission of the local Sheriff. We are called to lead searches, rescues, recoveries, and traffic control. There are no fees charged for the services that we provide.

We are raising funds to help with operating expenses and equipment upgrades to improve services. There are many costs incurred with searches, rescues, and recoveries. We have eight teams within our group: EMS, Drones, Foot, Rope, Motorcycle/ATV/UTV, Horse, Snowmobile, and Boat teams.

We would greatly appreciate any support you have to offer. All donations are tax deductible and will receive a receipt for tax purposes. We are a nonprofit 501 C(3) organization.

We are seeking merchandise, services, and/or gift cards that can be raffled or auctioned off. Also, we are seeking cash donations. Every donation will help make this banquet a success. Feel free to send brochures/ pamphlets with your donations, as every donation will be recognized at our banquet.

If you have any questions, please feel free to contact us. Thank you for your consideration and support of the Elmore County Search & Rescue.

Please mail donations to:

Tammy Jewett
Elmore County Search and Rescue
1770 NE Beaman St.
Mountain Home, Idaho 83647

Sincerely,
Rick Summers (208) 590-8352 summit8002004@msn.com
Jim Budine (208) 590-1518   jbudine42@outlook.com
Shawn Jewett (619) 693-2882 sjewett@swinerton.com
Tammy Jewett (208) 859-1194 jewett6822@msn.com

Monte told us that he has special prices on spectra-ply. Spectra-ply is laminated multi colored plywood. There are several color combinations available. Call Monte at Woodcraft about sizes and colors.

Up Coming Events

Rocky Mountain Woodturning Symposium
September 13-15, 2019.
Loveland, Co.

rmwoodturningsymposium.com