

**February 2022**

#### **Meeting Info**

Our next meeting is on **March 9th**.

In lieu of a demonstration we will hold a discussion session on woodturning fundamentals, such as proper cutting technique, sanding, sealing.....

So come with questions!

#### **Club Challenge**

This year, we will have 2 challenges per month.

The challenge for the March meeting is something eccentric or a footed piece.

Bring your challenge pieces for an entry in the monthly and yearly drawings.

### **Treasurer's Report**

Monthly Revenue: \$150.00 (from Annual Dues)

February Expenses: \$155.88(Dreamhost Web hosting renewal)

Current Balance: \$5083.99

Remember to place your Amazon orders through <https://smile.amazon.com> It's FREE. Select **Portneuf Valley Woodturners Association Inc.** as your charity. We received \$128.50 in 2021.

#### **2022 Membership Dues**

**We will be accepting Membership Dues for 2022 at the next meeting. Dues are \$30/year.**

# President's Message

Hello PVWA members! What a great hobby we share! I think woodturning is some of the most fun you can have legally. After a great demo last month by Bob Smith, which must have taken countless hours to prepare for, I asked a question of Nolan Bailey about doing a heart since Valentine's Day was imminent. Bob took that as a challenge, and somewhere within this newsletter is a photograph of what I think is an absolutely beautiful inside out turned heart ornament for his sweetheart Margaret. Also after the demo we had great discussion amongst ourselves on several topics that clearly we need to spend more time on. When I asked members who uses sanding sealer and what type or recipe, there was great discussion. The next day I got a comment from a member who felt uncomfortable asking "what in the wide world of sports" we were talking about. PLEASE! Don't ever be afraid to ask questions. This is one of the reasons I brought it up. Consequently, after Jason Geiser was unable to provide the planned demo for next month, Bob and I discussed all the way to and from the Idaho Falls club meeting that maybe we should discuss, or for some revisit some of the nuts and bolts of woodturning that get left behind while shooting for your magnum opus. So this month let's each bring a question or two and have an orderly open dialogue on any issue of concern by a member.

Happy turning, and see you on the 9<sup>th</sup>! Kelly Crompton

## Demonstration

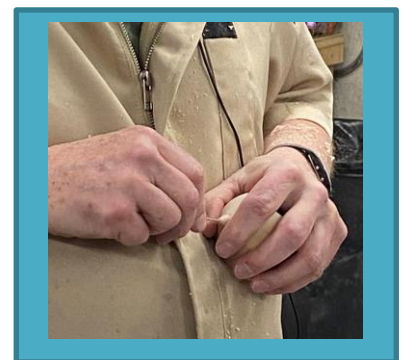
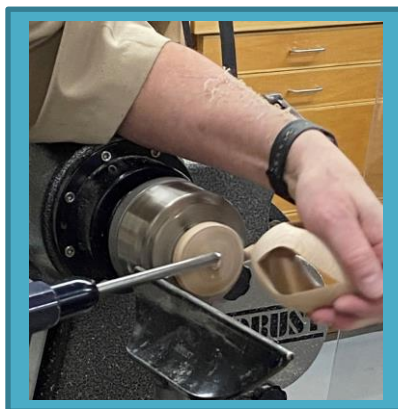
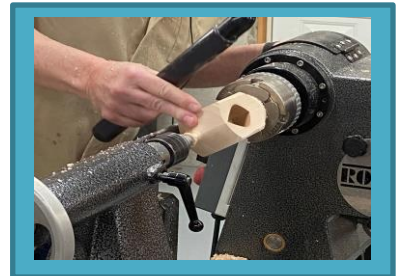
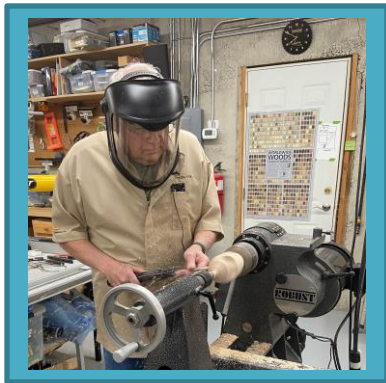
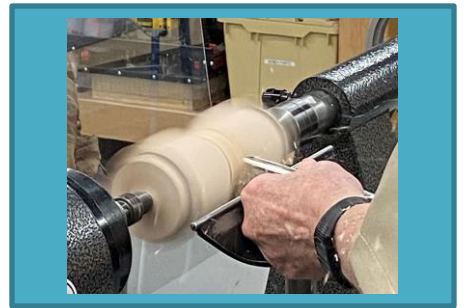
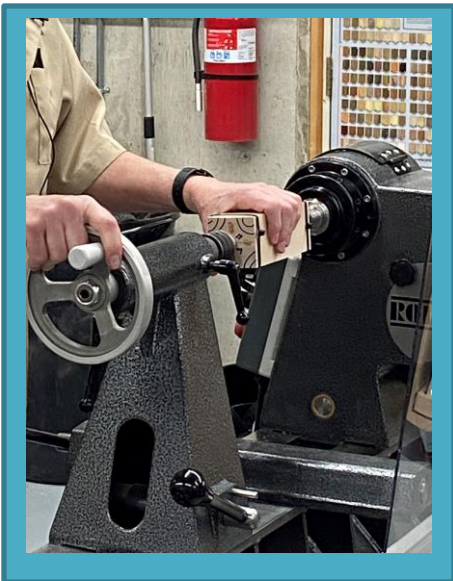
Bob Smith provided a great demonstration of the process he uses to turn an "inside-out" ornament. Here is the outline he used for the presentation followed by photographs.

- If making from a block of wood, mark the top in a way that you can easily get it back in the same order. I use a swirl. If using a board, it isn't as important, but I generally mark one face so I can match the grain as well as possible.
- Cut pieces to size. I generally use a 7" or 8" length. All angles must be precise and all sides the same length
  - 3 sides – 120 degrees
    - Set table saw to 30 degrees
    - The resulting 120 degree angles all meet in the center
    - If all sides are 1.5", the finished diameter will be a little less than 1.5"
  - 4 sides – 90 degrees
    - Leave table saw at 90 degrees
    - If all sides are 1.5", the finished diameter will a little less than 3"
  - 5 sides – 72 degrees
    - Set table saw to 18 degrees
    - The resulting 72 degree angles all meet in the center
    - If all sides are 1.5", the finished diameter will be about 4"
    - If all sides are  $\frac{3}{4}$ ", the finished diameter will be about 2"
  - 6 sides – 60 degrees
    - Set table saw to 30 degrees
    - The resulting 60 degree angles all meet in the center

- If all sides are 1.5", the finished diameter will be about 4 ¼"
- If all sides are ¾", the finished diameter will be about 2 ¼"
- For the demo I used 4 sides at 1.5" per side.
- Arrange the pieces in the final order you want and number each piece.
- Flip each piece 180 degrees with the numbers going in the opposite rotation.
- At this point you can glue the blocks together with paper between the joints and let it sit overnight, but I prefer to use zip ties to hold them together (you could also use strapping tape). To keep the pieces from moving with respect to each other, I use a little CA glue on each joint on each end. This typically results in needing to use a chisel to split them apart after the first turning, but if a joint breaks (as it did in the demo), the zip ties still hold it together – the windows just might not be perfectly lined up when reversed.
- Turn what will be the inside.
  - To determine how much to leave in the center (which will become the outside staves), you need about ¾" for narrow/thin staves to 1 ¼" for thicker staves. For a 3" 4 sided turning, I generally use 1" to 1 ¼". For a six sided 2 ½" turning, I leave ¾" to 1".
  - The shape is up to you. Common shapes are circular, oval, pear, etc.
  - For the demo I used a pear shape.
- After the inside is turned, sand and finish it. If you are planning to spray the finished turning, use a finish on the inside that is compatible with your final finish.
- Split the pieces apart and reassemble in the original order.
- Glue the pieces back together. You could use CA glue, but it is hard to get everything aligned, so I generally use wood glue, clamp it, and let it dry overnight. If doing other than 4 sides, clamping is difficult so I use zip ties as clamps.
- Turn the outside to match the inside profile.
- Finish as desired. I use spray lacquer – several coats of gloss then either semi-gloss or satin for the final coat.









# Bob's Challenge

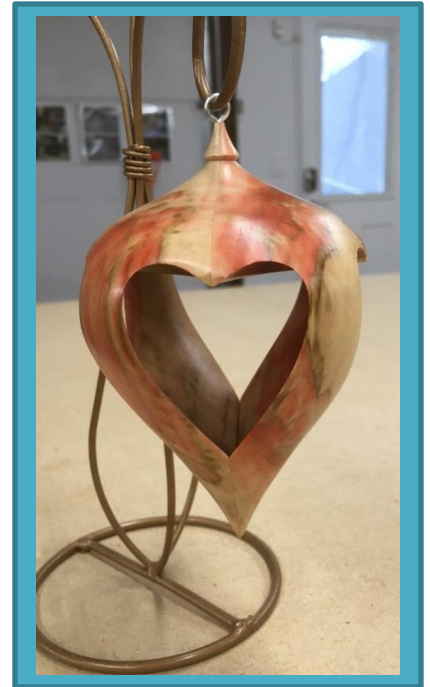
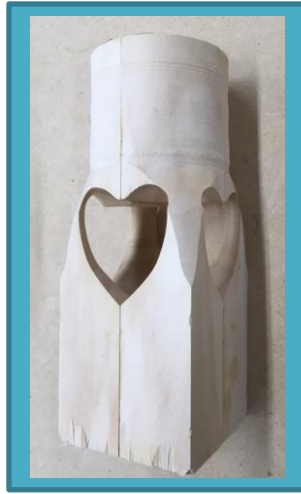
As mentioned in the Presidents Message

1<sup>st</sup> try was more of a teardrop than a heart.

2<sup>nd</sup> was a nice heart, but I ran out of wood before I got down to the heart.

3<sup>rd</sup> came very close, but I had to sand down the point on the heart since I still ran out of wood.

Got it on the 4<sup>th</sup> try.



## Members Gallery



