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**DIY Spalting: From Discussion to Discovery of the Fungus Amongst
Seri's Research with Seri Robinson
June 10-14, 2019**

**NOTE: The \$100.00 material fee is payable to Seri when you are here
for class. Checks are to be given to Seri and made payable to
"Agricultural Research Foundation."**

**Also, the tuition for the class is a \$700.00 donation to Seri's program
at OSU. Checks are to be given to Seri and made payable to
"Agricultural Research Foundation".**

Tool List

- Sharpie marker
- Two sturdy pencils
- masking tape
- loupe (hand lens) of 10x magnification or greater
- small tweezers
- bottle of 91% isopropanol OR bottle of ethanol of at least 70% (we can dilute down if higher)
- a small hand saw (Japanese pull saw is the best)
- mortar and pestle
- 500mL of dichloromethane (methylene chloride) (available on Amazon.com)

Schedule

Day 1:

Morning: historic spalting in medieval Europe, old spalting techniques, fungal biology and fungi responsible for spalting

Afternoon: culture transfer (media making discussion, transferring fungi from one plate to another). All cultures made may be taken home by the student!

Day 2:

Morning: wood anatomy and wood decay. How fungi affect wood. Best uses for spalted wood. How stabilizers affect spalted wood. Field trip to Marc's woodlot to collect spalted wood

Afternoon: spalted wood under a microscope: what the fungi really look like and how they have degraded the wood cells

Day 3:

Morning: How fungi grow in wood. How spalting fungi interact with one another. How to determine pairings and effects

Afternoon: Activity: inoculating logs with spalting fungi for best effects

Day 4:

Morning: fungal pigments in history and modern science. How and why fungi secrete pigments. How pigments are grown in a lab or found in the woods

Afternoon: Extracting fungal pigments from spalted wood and reapplying to sound wood

Day 5:

Morning: Conditions for home spalting, spalting pitfalls, common misconceptions. Spalting recipes, commercial scale spalting, spalting large logs versus small objects like pen blanks

Afternoon: Overflow time for projects and discussion (there is always a ton left to discuss!)