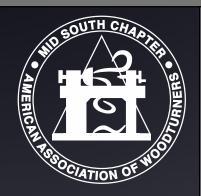
September 2016



THE MID SOUTH WOODTURNERS GUILD







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Turtle Vase By Jim Tusant

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Notes from Airbrush demonstration are appended at the end of this newsletter beginning on page 29



Jim Tusant is an active member and a frequent demonstrator for our club. Last month he gave a very thorough introduction to using and maintaining airbrushes. The demonstration included a complete discussion of airbrush anatomy, cleaning, setup, and airbrushing techniques. The vase on the cover is testament to his paintbrush skills.

President's Corner

Good morning Woodturners, September meeting is coming up this Saturday the 24th. The demonstration will be presented by 3 of our own members who will be showing us some turnings that make great gifts. Sam Dawson, Mike Maffitt and Joseph Voda will be the demonstrators.

September 24th is also the turn in time for the Presidents Challenge for Pepper Mills.

- Presidents Pepper Mill Challenge:
 - We just had a two person demo on how to turn pepper mills using two different techniques but using the same type of mechanism.
 - The challenge is to turn one of the types shown in recent demo(drilled hole or Hollowed Hole).
 - The winner will be most votes by membership present at September meeting.
 - 1st place \$50, second place \$25
 - Remember all participating entries will be donated to club for our Christmas auction.

- Happy turning
- There is still time to do one if you would like to participate.

Fall is a busy time for the Mid-South Woodturners. Pink Palace is coming up the 14th, 15th, and 16th of October. As you know this is the second year that the Mid-South Woodturners Guild is demonstrating at this long time Craft fair.

Oktoberfest is our day-long meeting in October held at the Benson compound in Rossville Tn on the 29th. More about this event coming up at our meeting. I will tell you that it should be an extra special time, so make plans to be there.

The November meeting is also going to be a little different, Tom Brouillette will show us how to

By: Dennis Paullus



http://www.woodturner.org

embellish with lighting strikes on turned wooden bowls. I'm looking forward to this as I think you will too.

Remember November is our annual ornament contest. Bring an ornament to the contest for a chance to win cash prizes, first and second place wins money. Don't forget all ornament entries will become the property of Mid-South Woodturners and will be auctioned at our annual Christmas Party.

Speaking of which, December is our Christmas party that will be held on the 17th this year. This is one of our premier events of the year. Anyone who has not come to our Christmas Party is really missing a fun time. So much to do. We have a gift exchange(bring a gift get a gift). Bring a gift that is wrapped and you will receive one in return. Please, no names on gifts. There is our

meal, most of the food is provided my the club (mostly the meats and drinks) but please feel free to bring an item if you want to share. There will be a sign-up sheet available for that.

The Christmas Auction is always great fun and a chance to acquire great art for reasonable prices. We have been collecting art and prizes all year for this auction. Some of it has come from our demonstrators and some from donations by members. We would gladly accept donations even up to the day of the party. This is really a fun time for fellowship and I hope you all make plans to attend.

Come early and leave late and I will see you all at the next meeting.



By:Emmett Manley

Let's do something different this month, list woodturning snippets that you may be able to work into the conversation at your next gathering of high level woodturners.

Also from the lumber business, hickory and pecan are often not distinguished and this is legal because the woods are so closely related.

According to the lumber industry, the most counterfeited wood is hard maple, with various "soft" maples sold as "hard" (sugar) maple at a premium

Sweet gum has been sold as a substitute for black walnut -- it can be that beautiful.



Wood Spin cont.

- The hardest and most dense wood in North American is osage orange, followed closely by black locust.
- Box elder is neither a boxwood nor an elder

 rather, it is a "soft" wooded maple, with a
 more descriptive common name being Ashleaf maple.
- The Emerald Ash Borer may eliminate ash trees, so turn items from ash and set them aside for your grandchildren to sell via Antiques Roadshow in 50 years.
- Contrary to a common factoid, there is no sand in wood except that embedded in the surface of wood that has been lying in sandy soil.
- Rot-proof post-hole mid-South woods: osage orange, black locust, and cedar heartwood.
- Top Mid-south allergenic woods: walnut and cedar.
- Persimmon is the only member of the ebony family (Diospyros) in North America. It is also my favorite turning wood.
- Paulownia is the lightest of all North American woods and the most fire proof, not igniting until 825 degrees (most wood ignites at 450-500 degrees)
- Paulownia also has a number of regional names: Royal Paulownia, Princess tree, Empress tree, Imperial tree, Kiri tree, and others.
- The champion tree of multiple local names may be osage orange which is also known as: hedge, hedge apple, horse apple, bodark, bois d'arc, bow wood, yellow-wood, and mock orange, among others.
- The Orange Mound area of Memphis was named after the osage orange trees that were planted there.
- Mid-South woods which most want to crack: dogwood (the champion), followed closely

- by cherry and honey locust -- three of our prettiest woods.
- Warp champion wood -- my vote is sweet gum (but nice for making oval bowls).
- If you were limited to only one woodturning tool? The winner in almost every survey of experienced woodturners is a 3/8 inch bowl gouge
- Most underutilized tool in the woodturning shop? Perhaps a tie among a skew, a round nose scraper, and a small fine toothed hand saw.
- The secret to drying wood without cracks -keep the wood out of moving air so drying
 will take place slowly. There are many ways
 to accomplish this; wrapping in cloth or paper, coating the cut ends with cheap paint or
 expensive wax, placing the wood in an isolated area of your shop, on and on. Plus a
 good dose of luck.
- Mid south woods that best hold a sharp edge: Holly, boxwood, and osage orange.
- along old rumors.

If you don't like these informational items, make up some you do like, or just pass along old rumors.

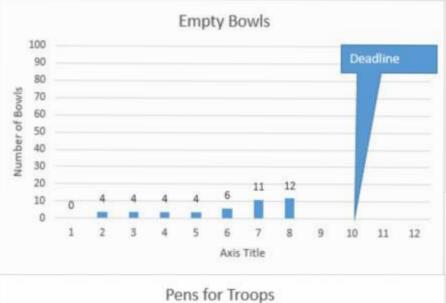


Club Supported Charities for 2016 Running Total of Turned Items



Beads of Courage:

Off to a good start. Great presentation from Lebonheurs on Beads of Courage at last months meeting.



Empty Bowls

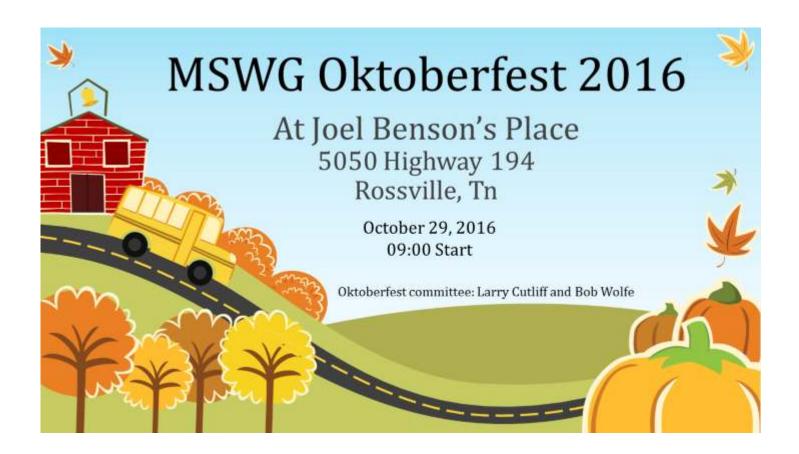
We are making slow progress on our Empty Bowls charity donations. Please make an effort to bring in a bowl. This event is approaching fast. Oktoberfest meeting is the deadline.

Pens for Troops

Great progress. We receive an infusion of pen kits, so if you need kits see Joseph Voda.

Get ready for Oktoberfest

The following slides are from a PowerPoint presentation that will be given during the September 24 club meeting detailing the plans for this fun annual event.

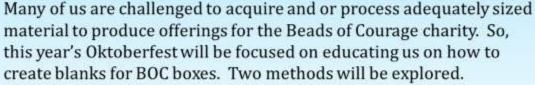




Oktoberfest 2016 Theme



Enhanced support of Club supported Charities





- Log to box
- Board to box using segmented techniques.
 By the way the same techniques will work for the Memphis Empty

Bowls project.



Also, anyone wanting to create pens for troops will have an opportunity to turn or learn.





Something almost free



Anyone that wants one will be able to acquire from the Oktoberfest team, a green turning blank or a segmented turning blank for a modest fee of \$20. \$15 will be returned to you when you submit a finished bowl or box to be donated to one of our charities. The remaining \$5 will be used to offset the cost of materials. A sign-up sheet is being circulated so we can get a count of how many blanks to have premade for the meeting.





If you would like to volunteer to help make these blanks please let Larry Cutliff or Bob Wolfe know.











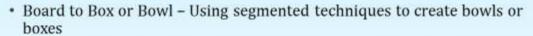




Planned Activities

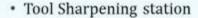


- · Log to Box or Bowl End to end demonstration
 - · Process a log into box or bowl blanks
 - · Rough turn a Beads of Courage Box from wet wood
 - · Finish turn a Beads of Courage Box from a dried rough turned blank









· Bring your dull tools to be sharpened





Planned Activities continued

- Timed Contest Turn any object of your choice within 20 min.
 - · A \$50 gift certificate to the winner
 - · Judging will be right after lunch
 - Must bring your own tools and material for your project. Club will provide a lathe and chuck only.
 - · Sign-up sheet is being circulated to judge interest
- · Pen making demonstration/work station
 - Watch someone make a pen for troops, or join in and make one yourself under the tutelage of an expert



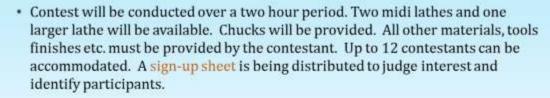
 How-to videos captured from You Tube will be playing on a TV screen for your edification and entertainment.





Timed Contest







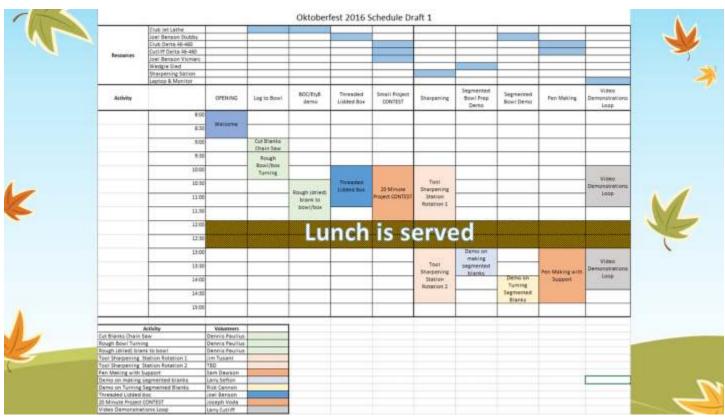
· Rough stock may be preshaped into a cylinder with a tenon. No other prep work will be allowed.

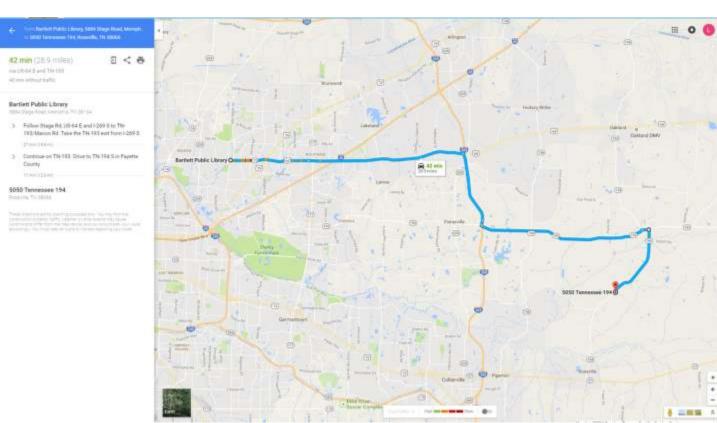
- · After lunch the contest pieces will be judged on originality, level of completion, and overall quality of the work.

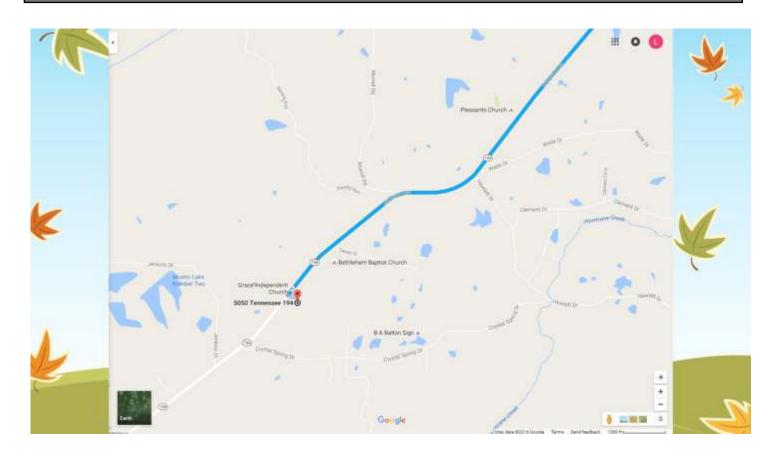


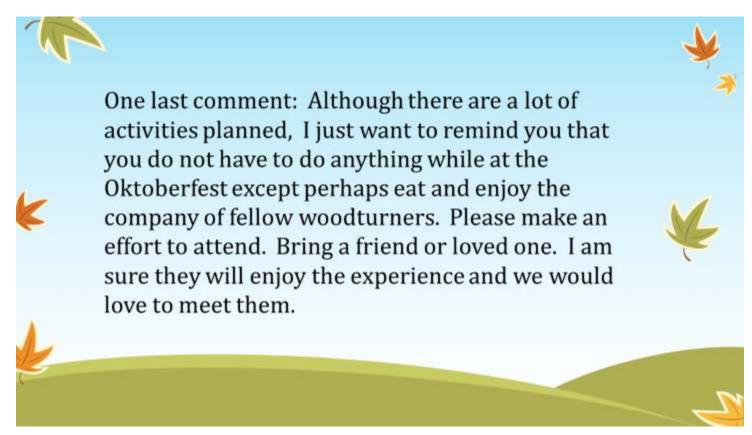


I WANT TO JOIN THE TIMED CONTEST			7
MANE	PHONE (CELL)		
1			
2			
3			
4			
5			
			1
7			
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10			
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13			
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ORGANIZATION MSWG-Dictoberfest 2016	TIME EVENT BATE 09:00 - 3:00 October 29, 2016	LOCATION 5050 Hwy 197, Rossville, TN	8











Instant Gallery

Bill Bleau



Dennis Lissau



Stave Built Walnut Beads of Courage

Dennis Paullus





Red Oak Bowl

Holly Carved HF

Honey Locust Bowl





Red Oak Platters

Jay Lehman







Larry Sefton



Segmented Beads of Courage Box

Jim Tusant



Carved Airbrushed Spoon



Joel Benson



Burned Bowl



Decorated Bowl

Jonas Nemanis



Bradford Pear



Pecan Oriental Box

Mark Maxwell



Cherry Box



Ash





Lidded Tower

Matt Garner



Spalted Bowl



Walnut Carved and Dyed Bowl



Cedar Bowl

Ray Tanner



Spittoon

Rick Stone



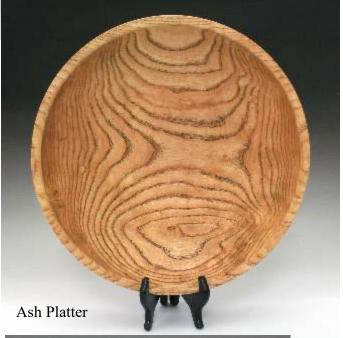
Cherry Natural Edge Bowl



Sphere



Hackberry Work-in-Progress





Burned Ash Viking Bowl

http://www.woodturner.org

Upcoming Events 2016

September 24 Joseph Voda, Mike Maffitt, Sam Dawson - Christmas gifts

President's Challenge turn in date - Pepper Mill

October 14 - 16 Pink Palace Craft Fair- club booth

October 29 Oktoberfest (Note: this is a week later than our normal date.
This change was made to reduce conflicts with competing events at this time of year.)

"Memphis Empty Bowls" project final turn-in date

Annual Pens for Troops pen turn-in deadline

November 8 Memphis Empty Bowls event

November 26 Tom Brouillette - "Lightning Pyrography"

President's Challenge turn in date - Christmas Ornaments

December 17 Christmas Party

Annual Club auction

Mentor Program

All members of MSWG are invited to contact the following mentors to learn a new technique, improve their turning skills or turn something different. Mentors are volunteers and do not charge.

Contact information is on our website under Members Only and the Roster. Sessions should last no longer than 3 hours and be scheduled at the convenience of the mentor.

Benson, Joel Wood Selection, Turning Green Wood, McNaughton Coring, Chain Saw Sharpening/

Maintenance, Chain Saw Use/Safety

Cannon, Rick Segmented Bowls

Hosier, Jerry Basic Stone and Wire Inlay, Woodturning Basics (Beads & Coves), Use of Spindle &

Bowl Gouges

Maffitt, Mike Trembleurs, Offset Turning

Manley, Emmett Basic Woodturning, Small Bowls, Tool Handles, Hand Mirrors, Stick Pens, Eggs, Wine

Bottles, Miniature Birdhouses, many other small items

Paullus, Dennis Tool Use, Turning Safety, Hollow Vessels, Bowls, Boxes (Friction Fit or Threaded),

Spindle Turning

Pillow, Wright Inlaying: Marketry, Inlace, Epoxy

Sefton, Larry Milk Paint, Make Your Own Pyrography Unit, Hollow Forms

Stone, Rick Finials, Bowls (incl. Natural Rim), Boxes, Spindles, Carving, Finishes, Pyrography,

Making Tools, Turning Tool Basics (incl. Sharpening)

Tusant, Jim Bowls, Hollow Forms, Pyrography, Carving, Dyeing, Tool Use

Voda, Joseph Spindle Turning (e.g. Ornaments)

Wilbur, Skip Bowls, Hollow Forms, Goblets, Finials

Sponsors and Suppliers

The Woodwork Shop, Inc 8500 Wolf Lake Drive Suite 101 Bartlett, TN 38133

Phone: (901) 755-7355 Fax: (901) 755-2907

Email: thewoodworkshop@bellsouth.net







Airbrush Demo

Jim Tusant

- 1) Single Action vs. Double Action Airbrush
 - a) Single operates like can of spray paint. Just press the button and air and paint flow.
 - b) Double must push the button down for air and pull back to release paint
 - c) Double most controllable and able to give different effects. Most versatile.
- 2) Types of Airbrushes
 - a) Top feed low pressure operation (10-40 psi). Thinner paints must be used. Very versatile. (gravity feed)
 - b) Side feed similar to top feed. Line of sight good because cup is out of the way. You can paint from any position. Used a lot in illustrator's work.
 - c) Bottom feed-high pressure needed (30-70 psi). Thicker paints used. Suction pulls paint from jar on bottom. Used by T-shirt and sign artist. (siphon feed)
 - d) A & B can be compared to sport cars while C is the workhorse or truck of airbrushes.
- 3) Paint Thickness vs. Air Pressure
 - a) Air pressure is the horsepower or muscle used to carry the paint
 - i) Low pressure- must use thinner paints to get the correct flow; can move your hands slower resulting in better control.
 - ii) High pressure thicker paints can be used
- 4) Paint Thickness vs. Nozzle Size
 - a) Nozzle & Needle Sizes
 - i) .15-.20 nozzle must use thin paint (water like consistency) at low pressure.
 - ii) .30-.35 nozzle can use "airbrush ready" paint- medium paints (milk like consistency).
 - iii) .50 + nozzle use thick paints (heavy cream like consistency).
 - b) RULE OF THUMB Don't think if you want a thin line that you must get a small nozzle & needle size. You must match your paint, air pressure and nozzle/needle size to do the correct job. Use the smallest nozzle/needle combination that corresponds to the paint you are using.
- 5) Disassembly and Function of Double Action Airbrush
 - a) Push down for air and then start to slowly pull back to start paint flowing; forward to stop paint
 - i) Don't pull back to fast or you will get a blob of paint or runny splattered paint
 - ii) The closer you hold the airbrush to the work the finer the paint line will be.
 - iii) The farther away you hold the airbrush the wider the paint line will be.
 - b) Before Using Paint
 - i) Use water and spray a continual mist into the air.
 - ii) Observe the spray pattern.
 - iii) It should be a full-pattern and atomized nicely.
 - iv) You should have no sputtering, skipping or bubbling anywhere.
 - v) If you have any of these problems -
 - (1) Check to be sure all screw-on parts are tight but not over tightened. Use Teflon Tape on threads if necessary to stop leaks.
 - (2) If you have bubbling, you have a clogged orifice somewhere. You made need to disassemble the airbrush

and clean thoroughly.

- c) Practice First
 - i) Start with water and food coloring in the airbrush cup. Mix well.
 - ii) Practice spraying on paper varying the size of the lines.
 - iii) Make straight consistent size lines.
 - iv) Make dots in varying sizes (tiny to large).
- d) Using Paint
 - i) Know your nozzle/needle size and mix paint according.
 - ii) Use proper pressure to match nozzle/needle and paint consistency.
 - iii) Practice as in #3 above.
 - iv) Work slowly; don't blast paint out this defeats the airbrush purpose to give a graduated soft effect.
 - v) You can always add more paint to project but hard to remove.
 - VI) DO NOT USE OPAQUE PAINT TO LEARN WITH. USE ONLY TRANSPARENT PAINT
- e) Masking
 - i) Types of Masking
 - (1) Frisket
 - (2) Liquid (spray-on) Tubelite Company, inc.,3111 Bellbrook Dr., Memphis 38116 Ph 901-396-8320
 - (3) Post It notes
 - (4) Stencils
- 6) Exercises
 - a) Types of Exercises
 - i) Dots
 - ii) lines
 - iii) Circles
 - iv) Cubes
 - v) Stencils
- 7) Maintenance
 - a) Choose appropriate cleaning agent for paint used.
 - i) Water
 - ii) Solvents
 - b) If there is paint in the cup, pour it back into container or spray out excess.
 - i) Wipe paint out of cup with paper towel.
 - c) Fill the cup with appropriate cleaning agent.
 - i) Slosh around in cup to break down paint residue.
 - ii) Spray into a container
 - d) Repeat the process until spray is clear/clean.
 - i) Carefully remove the needle. Be aware of the needle tip and do NOT damage.
 - e) Gently wipe the needle with paper towel and cleaning agent to remove paint residue.
 - i) Carefully re-install the needle into the airbrush.
 - f) Do not use Q-Tips to clean with the fibers will clog airbrush and make a mess.

8) Troubleshooting

- a) Tip Dry
 - i) Caused by a build-up of paint on the needle tip. This causes turbulence over the tip.
 - (1) Opaque or heavily pigmented paint dries on tip and build up quickly.
 - (2) Paint could be over-reduced causing a quick build up on tip.
 - ii) Cure
 - (1) Clean the needle and watch for paint on tip.
 - (2) Keep a wet clean paper towel to regularly, carefully wipe tip.
 - (3) Check the paint for proper mixture.
- b) Clogged air-hole in cup cap or bottle top
 - i) Cause/symptoms
 - (1) Vacuum can form and paint will stop flowing.
 - (2) Paint can be back flushed into cup or bottle (notice bubbles).
 - (3) When you remove the cup cap or bottle top pressurized paint is released (mess).
 - ii) Cure
 - (1) Keep the air-hole open {cleared}.
- c) Bubbles in cup or bottle
 - i) Cause/Symptom
 - (1) Clogged air-hole in cup cap or bottle.
 - (2) Loose air cap and/or nozzle cap.
 - (3) Tip dry.
 - ii) Cure
 - (1) Keep air-holes cleared.
 - (2) Tighten air cap and/or nozzle cap (do not over tighten).
 - (3) Keep the needle tip clean regularly wiping with a wet paper towel gently.
- d) Nozzle wear
 - i) Cause/Symptom
 - (1) Old worn-out.
 - (2) Damaged from pushing needle to hard (cracking).
 - (3) Dropping/bending.
 - ii) Cure
 - (1) Replace nozzle if worn, bent or cracked (use magnifiers to determine).
 - (2) Regularly clean any paint build-up.
- e) Needle wear
 - i) Cause/symptom
 - (1) Worn out tip from long-term use. (most common-caused by paint flowing over tip).
 - (2) Bent or damage tip.
 - ii) Cure
 - (1) Use magnifiers and replace needle if damaged or worn in any way.
 - (2) Keep a new spare on-hand
- f) Leaks in airbrush
 - i) Cause/symptom
 - (1) Loss of suction.

- (2) Reduced efficiency.
- (3) Does not spray correctly.
- ii) Cure
 - (1) Spray area suspected of leaking with water/soap mixture and look for bubbles.
 - (2) Tighten or use Teflon tape (only 3 wraps maximum) and do not over tighten.
- g) Clogged air passages in body or head assembly
 - i) Cause/symptom
 - (1) Airbrush not spraying properly or at all.
 - ii) Cure
 - (1) Carefully use small piece of wire to clean out passage.
 - (2) Do NOT scratch the airbrush in any way in or around the passages.
- h) Air Cap bent or damaged from dropping
 - i) Cause/symptom
 - (1) Will not spray properly.
 - ii) Cure
 - (1) Use magnifiers to closely inspect air cap (hole should be perfectly round).
 - (2) Air cap should be perfectly concentric and not out of round in any way.
 - (3) Replace the air cap
 - (4) If the air cap was damaged and replaced, replace nozzle too!!
- 9) Check List
 - a) Airbrush passes the water/solvent spray test
 - b) Check paint consistency is proper for nozzle/needle size
 - c) Be sure the air-hole on cup cap and/or bottle or not clogged
 - d) Reduce paint to the necessary consistency usually about 5% but no more than 25%
 - e) Check to be sure paint is fresh. Do not use old paint
 - f) Check to be sure airbrush is clean and in good working order
- 10) Exercises
 - a) Refer to (6) exercises section and practice, practice, practice
- 11) Supplies/Suppliers
 - a) Airbrushes, compressors and accessories
 - i) www.chicagoairbrushsupply.com
 - (1) (Iwata Eclipse series) or (Iwata High Performance C Plus).
 - (2) Paasche VL airbrush is also a less expensive choice.
 - b) Paint
 - i) www.dickblick.com
 - (1) Golden High Flow Acrylic Paint airbrush ready
 - (2) Iwata Medea Com-Art Acrylic Paint airbrush ready
 - (3) Createx Acrylic Paint for airbrushes must be thinned before using. It is too thick for airbrushes out of the bottle