MASSC METAL ARTS
SOCIETY OF SOUTHERN CALIFORNIA
Jul/Aug 2009

TUFA CASTING With Katherine Palochak

September 19th & 20th, 2009 CSULB – Long Beach

Workshop Fee: $150 for MASSC members Materials Kit: $20 (casting bronze & tufa)

Tufa casting is a primitive art technique and a great way to explore the ancient art of casting. It's fun and affordable, requiring very little space, and doesn't require any specialized equipment. The richly textured pebble finish can be contrasted with smooth and shiny surfaces in the same piece.

You will learn to carve your own molds for direct casting in tufa for exclusive designs, or create metal master models and sand cast for limited edition pieces.

Casting bronze will be supplied for the projects, but students can also use their own sterling casting grain or clean sterling scrap. This workshop is suitable for beginners and advanced students.

This workshop will be filled via the MASSC lottery system with MASSC members receiving priority. To put your name in the lottery, contact Ketarah Shaffer by August 3rd. Everyone will be contacted on August 4th with the lottery results. Send an email to ketarah@earthlink.net and put MASSC in the subject line. Or phone: Day 714-556-9286 Evening 949-643-9693. Please ask for Ketarah if phoning.

"MASSC is one of the biggest and best metal arts organizations in the country. For ongoing educational and career development I challenge anyone to find a better bargain."

Corliss Rose, MASSC President

Dues can be renewed at www. MASSConline.com or with the mail form below

MEMBERSHIP FORM - FOR PAYMENT BY CHECK

COMPANY NAME _____

NAME _____

ADDRESS _____

CITY, STATE, ZIP _____

DAY PHONE _____ **FAX** _____

EMAIL ADDRESS _____ **WEBSITE** _____

NEW MEMBER ____ **RENEWING MEMBER** ____

TYPE OF MEMBERSHIP : (circle one)

Individual:		**Family(2):**		**Student:**	
Digital, $30.00	Print, $35.00	Digital: $45.00	Print, $50.00	Digital: $20.00	Print:$25.00

Digital Membership receives the MASSC News and Membership Directory via email in PDF format and in full color.
Print Membership receives the MASSC News and Membership Directory in B&W hardcopy via US mail.

MY AREA OF EXPERTISE IS (circle all that apply)

Fabrication Enameling Metal Clay Hollowforming Chasing/Repousse

Bench Jeweler Designer Casting Other _____

I AM INTERESTED IN BEING MORE INVOLVED WITH THE MASSC INNER CIRCLE (circle one)

Membership Publicity Marketing Newsletter Articles Grant Writing
Legal Hospitality Host House Workshops Yahoo Group
Exhibitions Membership Directory DVD Library Videography/Filming Workshops
Special Events

Make your check payable to: MASSC
mail to: 2919 West Pendleton Ave.
Santa Ana CA 92704

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MASSC Newsgroup:
MetalArtsSociety-subscribe@yahoogroups.com

MASSC serves the needs and interests of artists working in metals and provides an environment for the exchange of information, instructional workshops, demonstrations, lectures, and panel discussions. Annual dues Sept 1-Aug 31); Regular Member, $30; Family, $45; Full-time Student $20. Please add $5 to your annual dues if you would like to receive a printed copy of the MASSC newsletter. All others will receive the newsletter via email. Membership forms are available at www.MASSConline.com

Tips & Tricks

by John Rose of 2Roses

Resist That Etch

Each year, 2Roses spends millions of dollars (more or less) at its Cheapneasy Research Facility to develop ridiculously simple solutions to problems you didn't know you had.

In this issue we'll look at different materials you probably already have laying around the studio that can be used as resists for etching. The materials on the list have been used in conjunction with Nitric Acid, Ferric Chloride and Salt Solution etching Not all materials work the same, but they do work, and they can produce different effects. Here's the list:

Packing tape. The stuff you wrap boxes and mummies with, is an excellent resist. Try cutting patterns in it.

Sharpie Markers. Can be used to create variable levels of resist depending on how many coats you apply.

Paint Markers. Offer a more durable resist and can be scribed into for additional effects.

Fingernail Polish. Very effective resist, and its pretty.

Rubber Cement. Stencil it on, or free form brush it. Selectively pick it off for some very interesting textural effects.

Rubber stamps. Use in conjunction with acrylic paint. Wash stamp with water after each stamping to avoid paint build up. Drying retardants help too.

Paint. Just about any type will do. Spray it, brush it, wipe it, sponge it, drip it, scrape back into it, but you will probably have to burn it off.

Mix N'Match. Try combinations of resists, applying them with thinner, and multiple stage etches with reapplications of resists.

Have fun, experiment and you'll find lots more stuff that works as a resist.

1. Carolyn Williams
2. Yumi Ueno
3. Esther Barr
4. Trish McAleer
5. Jean Vormelker
6. Susana Spiers
7. Audrey Morgan
8. Ruth Shapiro
9. Brooke Barer
10. Sally Jewett-Brocato
11. Mona Trunkfield
12. Diane Weimer
13. Dianne Ravin
14. Marne Ryan
15 Tatiana Woldanski

MASSC ARTIST SHOWCASE

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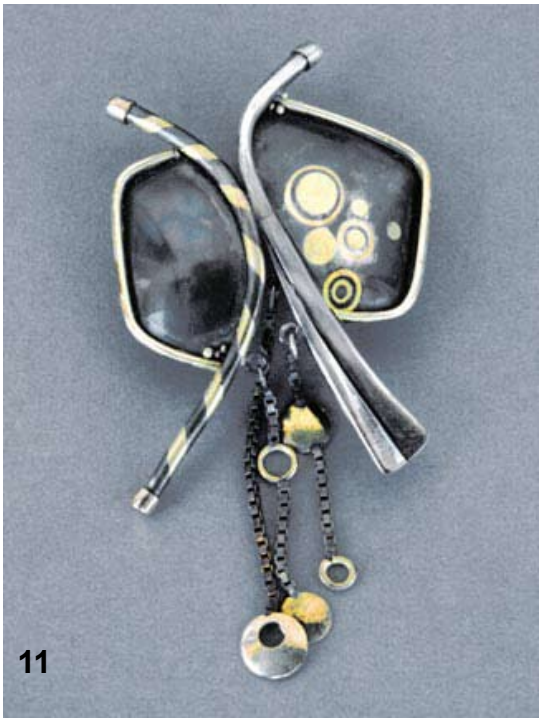
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Send your showcase images with descriptions to DukeSprue@massconline.com

Step-by-Step
Etching Tutorial
Cheryl Lomm atsch

1. Select/create image desired to be etched onto metal surface.
2. Select metal to be used and cut to fit design.
3. Decide which resist technique will be used.
4. Clean metal carefully with Comet cleanser and a Green Scrubbie. This will create a small "tooth" for the resist to hold onto. Rinse until water is clear and runs off in a sheeting action.
5. Apply resist to metal
a. If using PnP paper – Xerox desired image/design onto a practice sheet of paper. If design is correct, change Xerox settings to negative/positive setting. If using words or type of any kind - also select mirror image setting. Be sure black is dark and even.
b. Clean metal additionally with rubbing alcohol and allow to dry completely.
c. Turn iron on and set at 285 degrees. Place temperature gauge on it.
d. Cut PnP image to match the outer edge of metal and place image side toward cleaned metal surface (non-shinyside.) Be sure it is CLEAN-CLEAN-CLEAN !!!
e. Carefully, flip image and metal over and place onto ironing board surface. You will be heating up the plain back side of the metal first and the side with PnP second.
f. Using small circular motions, iron the back side of metal for 3 to 4 minutes at 275 degrees,
g. When timer goes off, use a spatula to flip the metal over and iron for another 4 minutes On the side with the PnP paper, be sure to use the constant circular motion all over!
h. Allow piece to cool.
i. Carefully peel off shiny part of PnP paper (the acetate backing)

j. You should now have a blue enamel-like surface on your metal that will serve as a resist to the etchant. Wherever there is not any blue enamel, that area will be "eaten" by the etchant. The ironing time is dependent on the size and thickness of your metal as well as its properties of conducting heat.
6. On the back of the metal, you will want to protect that surface from the etchant by carefully covering the surface with two layers of packing tape.
7. Using a permanent paint pen, fill-in any areas that may need to be restored that did not fare well during the ironing process and fill-in the exposed side-edges of the metal. Remember, any area of the metal that is NOT protected will be "eaten" by the etchant!
8. Put on apron, gloves and protective eyewear, ALWAYS !!!!
9. Using a 50/50 solution, place equal parts etchant solution and distilled water into a vat that will allow the metal piece to be in a horizontal position. Agitate vat to mix.
10. Using skewers and tape, suspend the metal into upper ¼ -1/2" of solution surface depth, face down, leaving space for the particles of metal to float to bottom of the vat. Make sure that piece is level and there are no bubbles caught underneath it.
11. Place cover on vat and set timer for 30 minutes to 3 hours.
12. Agitate and check for bubbles every 15 – 30 minutes.
13. Check for desired depth of etch using a toothpick or skewer.
14. If not deep enough, return to the vat and reset timer. (You may discontinue the etching bath at any time, rinse the piece thoroughly, place in a baggie and return to the vat later.)
15. Once the metal is etched to the desired depth, carefully remove from vat and rinse carefully in sink until water runs clear.
16. Sprinkle with baking soda (to neutralize) and scrub with a Green Scrubbie, Rinse again.
17. To remove residual PnP enamel you will need to anneal your piece (or allow it to soak in lacquer thinner.) Be sure to use good ventilation in either case.
18. Rinse, pickle, neutralize and rinse again. Your etched metal is now ready for you to use!

Sources for Ferric Chloride
Ferric Chloride is actually not an acid, but a salt. It is used to etch copper, nickel and brass. It can irritate your skin, so wear rubber gloves. Also, ferric chloride is very staining. It will not come out of floors, clothes, etc and will take days to come off your skin so be careful!
• Radio Shack
• Fry's Electronics
• http://www.printmaking-materials.com/products/intaglio/60
• http://www.dickblick.com/products/copper-etching-solution/
• http://www.mgchemicals.com/products/415.html
Whatever you do, do *not* pour the used ferric chloride (on any other etching chemicals) down the drain. Take it to a household hazardous waste depot.

Sources for PnP Blue
PnP Blue usually costs between $2. - $4. per 8 ½" x 11"sheet.
• http://www.techniks.com/
• http://www.pedalpartsplus.com/mm5/merchant.mvc?Screen=PROD&Store_Code=PPP&Product_Code=2000&Category_Code=
• Enamelwork Supply Co., 1022 N.E. 68th Street, SEATTLE WA, 98115 toll free: 800-596-3257
• http://www.elexp.com/pro_npb5.htm

• For cost efficiency, try to cover the entire sheet of PnP Blue, leaving a border of at least 1/32" around.
• Use a photocopier that will make a dark, evenly colored impression without graying the white areas. The machine that you use must also accept a thicker than usual paper – the single sheet feed slot may work best.
• It is a good idea to make a Preliminary Positive Photocopy before printing onto your PnP sheet. You will know exactly what will be printed onto the PnP and you will be able to make corrections in the darkness and evenness of the toner.
• Be sure that the image is printed on the dull side of the PnP sheet.

MASSC BOARD OF DIRECTOR NOMINATIONS

Each year MASSC elects a Governing Board of seven (7) individuals who are responsible for guiding the organization and conducting its business. Board positions are held for a two year term of office. Elections are held from August 15 thru the 30th.

MASSC is now accepting nominations of individuals who would like to serve on its Governing Board. Current members in good standing may nominate themselves or other current members for office.

Nominations for the 2009 election of officers will be accepted through July 31, 2009. To make a nomination please send the candidates name and full contact information, including email, to the Election Chairperson, **Nancy Jo Stroud. Uniquesbynj@cox.net.**

MASSC METAL ARTS SOCIETY OF SOUTHERN CALIFORNIA

2919 West Pendleton Ave, Santa Ana CA 92704

Time to Renew Your MASSC Dues

SEE PAGE 2

Upcoming Events

MASSCAPALOOZA

SHOW & TELL SWAP MEET AND GREET

Super Metal Arts Networking
Bring your stuff, Meet people,
Have breakfast with other artists
and Much Much More
August 15th - Irvine
details at www.MASSConline.com

October 17th & 18th
Chris Ploof - Japanese Alloys - LBCC

Did you change your address or email? Don't miss your MASSC newsletter and workshop announcements. Send changes to Diane Weimer diaweimer@verizon.net