

**ANNOUNCING**  
See p3 for details

*Jewelry  
Challenge 2017*

# METAL ARTS

SOCIETY OF SOUTHERN CALIFORNIA

January / February  
2017

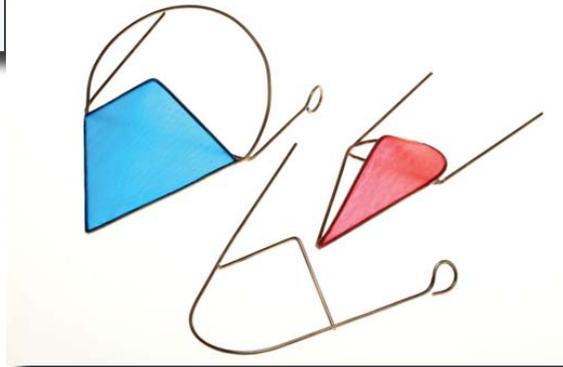
## MATRIX JEWELRY WORKSHOP - Robert K. Liu

**February 18th, 2016 8am – 5pm**



**Students** will learn to use brass wire or bronze rod to fabricate matrix/matrices for use as pendants, earrings or other jewelry components. Simple handtools or mandrels will be used to shape the wire or rod forms, then solder them. Participants will learn how to handform wire/rod foundations for use in earrings, or pendants. These matrices will be covered/glued with high-tech model airplane material (polyester films), then heatshrunk with heatguns, to make lightweight, strong, colorful and

interesting jewelry. This technique is well suited to make earrings, symmetrical or asymmetrical. Essentially, your imagination and skill are the limitations of the forms you can make. For a one-day workshop, it is necessary to have soldering and simple handtool skills.



Robert K. Liu he is co-editor of Ornament and has written extensively on ancient, ethnographic and contemporary jewelry and personal adornment since 1974. Over the past four decades, he has lectured extensively in the US, as well as the UK and PRC and given workshops on jewelry photography, making bamboo jewelry or matrix jewelry and has recently published The Photography of Personal Adornment. He is also the author of Collectible Beads, and has written over 700 articles or other publications, on personal adornment, technology and science.



**Cost: \$105 for MASSC Members - \$125 for non members**

**Materials Fee: \$10**

**Location: Irvine**

This workshop will be filled via the MASSC lottery system with MASSC members receiving priority.

To put your name in the lottery, send an email to [ketarah@earthlink.net](mailto:ketarah@earthlink.net) by January 15th, 2017 and put "MASSC February Workshop lottery" in the subject line. Everyone will be contacted on January 16th with the lottery results.



Diane Weimer

# PRESIDENT'S MESSAGE

## 2016 MASSC Holiday Party

The air was crisp and colorful leaves dotted the landscape. Chairs were arranged and the extended dining room table had been expanded to its greatest length. Everything was ready in Marne's space for the Ornament Activity. Tools had been collected and were stationed just outside the studio. We were ready.



As one o'clock approached some of the first people arrived at Marne Ryan's house in Anaheim for the MASSC Holiday Party. We were scheduled to eat lunch as everyone was bringing a dish... savory or sweet. After lunch we would begin the activity which was working in three's, and using the copper ma-



terials we were given, to create an ornament. Each group received 5ft of copper wire, 3" X 3" 32ga copper foil, 6 copper disks, 12" of 4ga round copper wire annealed and so as we all followed Marne to her studio, work began.



Marne was very generous, allowing us to use her electric rolling mill, anneal the metal when it became work hardened. After the work party where all won a prize we all went back to the living room to conduct the ornament exchange.



Ruth Laug got Ruth Shapiro's ornament initially. However, that doesn't mean she got to keep it.



Here are an assortment of some of the ornaments. I felt very fortunate to get Marne Ryan's ornament. It was a silver bell ornament. So beautiful!!! AND it actually rings.



## Creativity is like a muscle that gets stronger each time you challenge it.

**This** is a chance to show us your stuff and challenge your creativity. In the spirit of a good challenge – we are mixing it up this year!

As in previous years, to participate, you must be a MASSC member and purchase a box. There will be four items in your box. Three are conventional materials jewelers use. One is an unusual item. You **MUST** use a recognizable portion of each of the four items in your box. You may add **ANY ADDITIONAL MATERIALS**. We will have one design requirement (which you will discover when you get your box).

Again this year, we will have prizes – but we are doing them a bit differently, too. The People's Choice awards remain unchanged, and will be chosen by popular vote at the luncheon:

- \* First prize of \$300
- \* Second prize of \$200
- \* Third prize of \$100

**New in 2017**, a Grand Prize of \$500 will be awarded by a juror. Pieces will be judged on the creative use of the materials and the innovative use of the design requirement.

### Requirements:

- be a MASSC member
- buy the box
- you must use a recognizable portion of all **FOUR** items in the box
- you may add **ANY ADDITIONAL MATERIALS** to the piece
- you must include the **ONE** design requirement listed in the box

### Timeline:

January 20 – February 10, 2017 – Registration  
 Mid-February – Boxes will be mailed out  
 April 21, 2017 – Deadline to turn in your piece, statement, & headshot  
 May 21, 2017 – Awards and Luncheon at Sycamore Center in Lakewood

This year, as in years past, each person will be required to send the following to Diane Weimer @ [diaweimer@verizon.net](mailto:diaweimer@verizon.net)

- a statement (max. 300 words)
- a headshot (300dpi)

Turn in on or before April 21 by 5pm to be eligible

This year you will send your piece of wearable jewelry to Toni Federe, address in the box  
 Turn in on or before April 21 by 5pm to be eligible for the cash prizes.

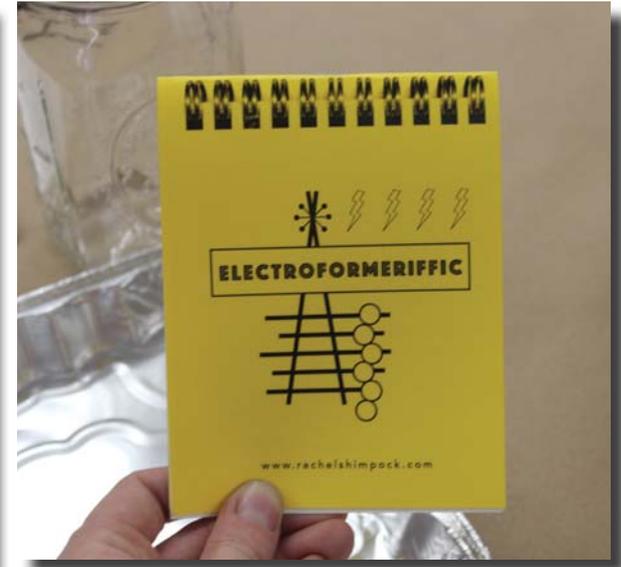
The box will cost \$40. There will be a limit of 120 boxes sold.

This is a MASSC Member only competition.

To join MASSC visit <http://massonline.com>

**Remember**  
**if it doesn't challenge you, it won't change you!**





**ELECTROFORMERRIFIC** reviewed by Jeanie Pratt

**Rachel** Shimpock got our Amps Up with an action packed and entertaining electroforming workshop. Electroformeriffic was held at Long Beach State University on August 13th.

Rachel started out telling us about her background. It included tales of her charmingly unconventional parents, figuring out how to make artwork while living in her car, and studying with Helen Shirk at San Diego State for her MFA. She states that electroforming saved her life. She currently teaches jewelry and metals at Long Beach State University. There are a number of artists utilizing electroforming in a variety of ways. They include Stanley Lechtzin of the Tyler School of Art, Maria Phillips, Wu Ching Chih, Constanze

Schreiber, Marta Mattsson, Mo Powers of Cheek Bone Studios and June Schwarcz. Electroforming is not like painting copper onto an



MARTA MATTSSON

object but rather it is little particles of copper grouping up next to each other to form a matrix on an object's surface. This forms nodules which is an appealing characteristic of this technique. In Rachel's NIFTY LITTLE YELLOW HANDOUT, it states "In a nutshell: When (DC) electrical current is introduced it passes from the (+) anode (donor metal), through the electrolyte solution to the (-) cathode (object).

The (+) anode metal slowly dissolves in the bath and becomes free metal that is attracted to the object to be plated (-). Whoomp, there it is."

Rachel explains the difference between electroforming and electroplating as follows: Electroplating is a quick, thin plate like gold plating or chrome on a car bumper. Electroforming is a process that uses low voltage and amperage to slowly form a uniform shell around an object that can be manipulated after forming. Often the original object is removed with fire or steam to leave a thick "shell" of the original object. Amperage is the amount of particles in the solution. Voltage is the rate at which they move. Both of these settings are important. If there are not enough particles moving towards the object, there won't be any plating. If there are too many particles moving quickly towards the object, then the nodules are formed. An amazing range of objects can be electroformed. Organic objects such as Rachel's beloved food, need to

## ELECTROFORMERRIFIC

be dried and COMPLETELY sealed with shellac and soaked in polyurethane or they won't electroform. She needs to shellac her onion ring bracelets for 2 weeks. These objects are then painted with conductive paint and electroformed. After electroforming her food, she burns out the organic matter and enamels it. Rachel, A.K.A. the Original Kitchen-smith, has a scrumptious line of food jewelry. Check it out at <http://www.rachelshimpoack.com/>



RACHEL'S TOAST AND JAM BRACELET

Rachel not only presented a fantastic workshop, but The Original Kitchen-smith lived up to her name and cooked lunch for us all! She made waffles from regular batter AND from a brownie mix (YUMMY!). There was a big bowl of berries, real maple syrup and whip cream to top the waffles. She commented that you can put almost anything in a waffle iron. After Thanksgiving, she makes waffles out of turkey and left over stuffing which she tops with cranberry sauce.



KITCHENSMITH LUNCH

RACHEL'S AMAZINGLY ECONOMICAL ELECTROFORMING KIT:

- WIDE MOUTHED MASON JAR
- ANODE
  - \*Coil of 6-8-gauge copper wire from rolls at Home Depot. (Rachel was right that when I purchased the wire they asked me what crafts I was making today)
- DRIP IRRIGATION AGITATION
  - \*Drip irrigation parts, valve and cheap fish pump
- ELECTROLYTE SOLUTION
  - \*Midas Bright Copper Electroforming Solution: Rio Grande Item #335074
  - \*Recipe provided to make your own MacGyver It Electrolyte Solution
- MIDAS REPLENISHING BRIGHTENER FOR ELECTROFORMING COPPER: Rio Grande Item #: 335065
- MUG WARMER
- ALUMINUM TRAY
- CATHODE
  - \*Copper wire and object to be electroformed
- COPPER PAINT + BRUSH
  - \*Water based conductive paint for electroforming. Available from Safer Solutions <http://www.safer-solutions.com/safer-solutions.com/Home.html>
- PAIR OF UNSEPARATED CHOPSTICKS AND RUBBER BANDS
- WIRES AND CLIPS TO CONVERT CELL PHONE CHARGER

- MULTIMETER
- SPRAY BOTTLE OF DISTILLED WATER
- PRIMO REGULAR PEN-PLATING TIP
  - \*Rio Grande Item # 335160
- COTTON PAD



ELECTROFORMING KIT

The CONTAINER for electroforming must be heat and chemical resistant. Glass containers such as the wide mouth mason jar work, as well as Plastic #5 – PP (Polypropylene) containers. The ANODE copper wire was coiled around large mandrels and then torched to remove the tarnish-preventing coating. Clean it with a brass brush and soap and then pickle it. The anode has a positive charge and it donates copper to the solution.

SHAPING ANODE



## ELECTROFORMERIFIC

The AGITATION SYSTEM was assembled using drip irrigation parts. A drip irrigation head was inserted into the end of some plastic tubing. A valve was added midway in the plastic tubing to regulate the amount of air passing through tubing. The other side of the tubing was attached to a fish pump. The drip irrigation end was inserted into the mason jar all the way to the bottom and then the copper coil was inserted into the jar. The purpose of the agitation is to keep the particles in the solution moving, aerate and to encourage a clean plate.



AGITATOR AND ANODE IN JAR

The ELECTROLYTE SOLUTION in the kits was Midas Bright Copper Electroforming Solution from Rio Grande. However, Rachel demonstrated how to mix your own cheaper MacGyver It Electrolyte Solution. The purchased solution produces a shiny surface while the homemade solution produces a grainy one. The kits also included MIDAS REPLENISHING BRIGHTENER which is ONLY for electroforming solution from Rio. If the electroformed surface is getting dull, add ONLY a couple of drops of the Brightener to the solution. Organic objects if not well sealed can contaminate the solution. The contaminated solution can be cleaned by filtering it through a coffee filter filled with charcoal from the fish store. This solution can be used over and over again.



CLEANING ELECTROLYTE SOLUTION

The MUG WARMER warms up the solution. Electroforming works best with a WARM electroforming solution at 85°F, but should be at least between 70°F -100°F. Don't use a hot plate or an open flame.

The negatively charged CATHODE consists of a copper wire attached to the object to be electroformed. If the object is not a conductive metal, then it must be sealed and painted with a conductive paint. Some organics such as leaves are too floppy to electroform. Wax can be added to the back to stiffen the objects. Soak the organic object in polyurethane after shellacking 2-3 coats (spray). Polyurethane is a very useful sealant with organics. Rachel will soak it in polyurethane for a day, and then let it dry for a day. All of the places that water can get in need to be sealed. If there is even an unsealed pinhole on an organic piece it will not electroform and ruin the piece.

The water based copper conductive paint for electroforming in our kits is available from Safer Solutions online. Rachel likes to spray the paint on using a Preval Sprayer Kit (available in the spray paint aisle at Home Depot). She dilutes the paint down 3 to 1 with distilled water. Like with her bread, she will spray a fine mist and then take a sponge and dap it

in. She rarely paints on her work. She also recommended Total Ground, a conductive graphite spray paint by MG Chemicals available from Amazon.com. It is great for high detail, but she cautions to use it with care as it is fairly toxic.



TOTAL GROUND SPRAY PAINT

There are different methods of attaching the copper wire to the object. Sometimes there is already a hole in the object such as a drinking straw and one can run the wire through it. For plastic objects, one can heat the end of the wire with a lighter and stab it into the object. Epoxy and epoxy putty can be used to attach the wire—but don't use superglue. Rachel also likes using sticky wax. Due to time constraints, Rachel prepared the cathodes for this workshop.



CHOOSING CATHODES

To suspend the cathode in the solution, slip the copper wire between the chopsticks and suspend in the solution so that the object is not touching the anode or the sides. Bend the copper wire over the top of the chopsticks and trim if necessary. Use a rubber band or tape to secure the chopsticks to the top of the container.

## ELECTROFORMERRIFIC

CELL PHONE CHARGERS were used to create a cheap version of an AC CONVERTING POWER SUPPLY. The chargers should be 5-12 volts. The size of the mason jars in the kits would work well with a 5-volt charger. A 12-volt charger would work better with a larger container. The phone end of the cord was clipped off and wires with alligator clips were added to the split charger cord. The MULTIMETER in our kit was used to test the outputs.



RECTIFIER AND ADAPTED CELL PHONE CHARGER

To have better control of the voltage and amperage a RECTIFIER can be purchased. The 3 amp Hyelec 1803D rectifier is available from Rio Grande or online it can be purchased from Ali Baba Xpress for much cheaper. The tool junkie in me is happily playing with my new Rio Rectifier.



ELECTROFORMING SET UP

The positive (red) wire is attached to the anode wire sticking out of the top of the container and the negative (black) wire is attached to the top of the cathode wire in the chopsticks. The time the object is in the solution varies greatly. A flash

coating of copper can be achieved with higher amps in 1 hour while a smooth coating can take 30 hours. The amps can be turned up later to achieve the whimsical organic nodules that are popular. The electroforming set up is placed in an aluminum tray to avoid splashes. DISTILLED WATER IS SPRAYED on the cathode when it comes out of the solution. You don't want to rinse it in tap as it can discolor the plated object (the minerals in tap can cause discoloration.) Add distilled water to your solution as it evaporates.

Rachel touched on a number of different things that can be done with the rectifier. She demonstrated ZINC PLATING which produces a delicious darkness. It is popular in Europe. She included the zinc electrolyte solution recipe made from household items in the Nifty handout. A zinc strip anode is easily purchased from Amazon.com. You can zinc plate any conductive metal. The zinc plating will need to be sealed with lacquer.

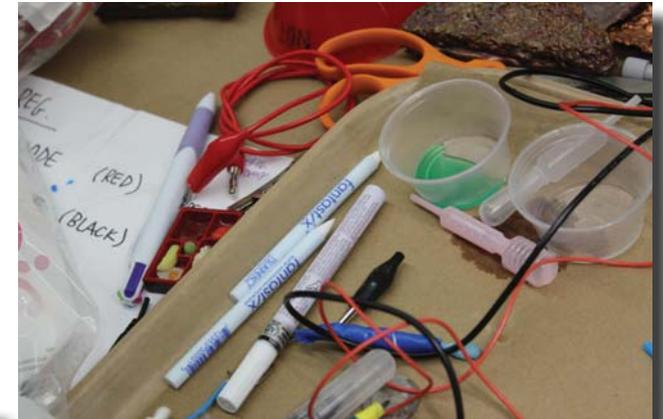


MIXING ZINC ELECTROLYTE SOLUTION



ZINC PLATED SAMPLE

Rachael showed how versatile PEN PLATING is. Even better she demonstrated how to make a homemade pen plater using a Q-tip or pen plating tip replacement from Rio Grande, a cotton pad and some other easily available items. She paid around \$100 to buy a commercial pen plater.



HOMEMADE PEN PLATER

She silver-plated a penny using the pen plater and the Midas Silver Pen-Plating Solution Rio Grande Item #: 335167. Other metal Pen-plating solutions are also available.



SILVER PLATED PENNY

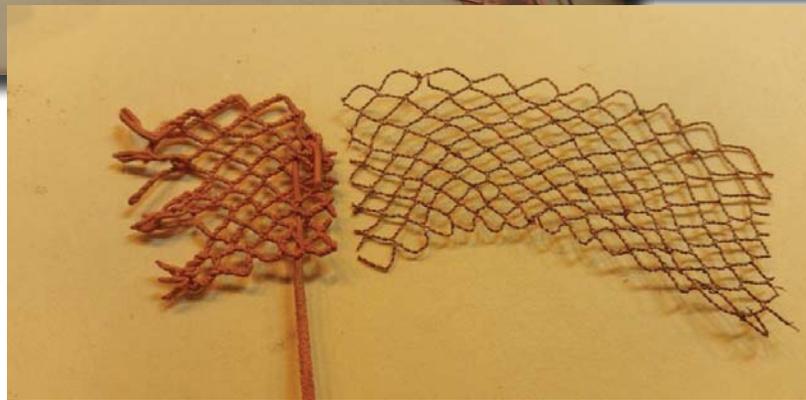
## ELECTROFORMERRIFIC



ELECTROFORMED SAMPLES

Rachel mentioned that a resist can be used, such as a paint pen to create patterns on an electroformed brass plate. She also likes using molds to make her objects. If she uses wax in the mold, then after electroforming, it can easily be burned out and enameled. You can paint conductive paint on part of a stone, attach it to a copper jump ring and after electroforming you have a piece finished jewelry.

My own interest in electroforming originated from an image of electroformed crocheted copper beads in Arline Fisch's *Textile Techniques in Metal* book. The electroforming added strength to the fragile crocheted structure. I have been playing at home with electroforming some of my copper



COPPER BOBBIN LACE IMAGE

bobbin lace. I am very pleased with the possibilities of incorporating this stronger lace structure in my work.

I also have been playing with electroforming some weird and wonderful beetles. Below is an image of 3 beetles in various stages—the original beetle, a beetle that has been sealed and painted with copper conductive paint and an electroformed beetle. What fun!



BEETLES

Thank you SO MUCH for the great workshop Rachel-- especially for the incredible amount of prep work you did and for taking time out of your summer vacation! Thanks ALSO to the MASSC volunteers (especially to Angelina for the images)!

--Jeanie Pratt



## METALS WEEK 2017 - JUNE 11-15

**Spend** a week in intensive metals studies with master metalsmiths in the beautiful mountain town of Idyllwild, CA. Maximize your creative artistic experience through workshops, lectures and demonstrations delivered by a team of six experts. You will work with one master instructor in an environment that encourages learning new techniques and creating work as well as networking with fellow jewelers and metalsmiths. Learn new skills, improve your techniques, and challenge yourself to grow as an artist working in metal. Lectures and demonstrations give you access to a variety of experts with different perspectives on metal and jewelry work. Small class size allows maximum interaction. Coordinated by Deborah Jemmott, the week also includes, the opening night faculty slide show, the faculty exhibit and reception as well as two afternoon cross-over demo sessions with other Metals Week instructors. Of course the week would not be complete without the potluck dinner & art auction and the culmination exhibit of participant's work.

### Workshops:

- Anne Havel – Fire It, Set It: Setting and Torch-Firing Enamels
- April Wood – Capturing the Moment: Natural Object Casting
- Charity Hall – Nature Journals for Metalsmiths
- Kristina Glick – Beauty and Memory: Making Nature Wearable
- Micki Lippe – The Expressive Necklace
- Pauline Warg – Feeding the Heart & Soul: Creating Utensils



# 10 GOLD IN FLORENCE - ORO DI FIRENZE



The new year always brings thoughts of fresh starts and new intentions. What are some of yours for this year? Here's a suggestion....why don't you travel with us to Florence, Italy this Fall and have an amazing experience together with other metalsmiths learning all about GOLD! Along with the 5 day workshop learning how to alloy, form, and solder your gold, you'll stay in a 14th century palazzo, enjoy a privately guided tour of the famous Uffizi Gallery, and travel to the Chianti region of Tuscany for a wine tasting tour!

Fall is the perfect time to visit Italy since the weather is perfect and the summer crowds have thinned. There are 2 different weeks to choose from and there are only 6 spaces available for each week. You can get a taste of what we did this past Fall on the Facebook page "Metalsmiths in Florence Workshop".

Spots are filling, so if you are interested, just shoot me an email at [monica7873@gmail.com](mailto:monica7873@gmail.com) and I'll send you all the information you need.

Ciao! Monica Branstrom  
[www.monicanbranstrom.com](http://www.monicanbranstrom.com)



**Hi Everyone.** I have been metalsmithing for about 8-9 years. I got started by wire wrapping my lampwork beads into my jewelry designs. From there I attended metalsmithing classes at Farrin O'Connor's studio in Pasadena. I also liked the organic design style of Carl Stanley and took many of his classes. In the years since those first classes I have explored enamels on copper, tufa, cuttlebone and broom castings, Viking knit, hydraulic press and many other styles of working metal. My preference is to work with sterling silver and copper. Inspiration is everywhere and the internet is a goldmine of information. I love Pinterest for the variety of media and quality of work posted. I usually start thinking of a new project by selecting a bead or stone and then trying to design a unique jewelry piece including it. I primarily sell my work through my website but also do

## Charlie Warner



shows. My favorite is the "Art of Adorning" show at the Bowers Museum every April. In addition to selling my own jewelry, I have an excellent following of jewelry designers that incorporate my metal and glass beads into their finished works.

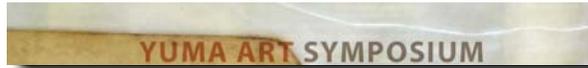
There are many ways to get your work noticed by the public. In my case, I developed a website, submitted my work to industry publications and participated in many craft shows. I joined MASSC and a metalsmithing group on Facebook. Through these groups I was able to find more workshops to hone my skills.

I'm very lucky to have a special group of friends that get together every other month to work on different projects and brainstorm for new things to try. MASSC has wonderful workshops and their Demo Day in September (this year it will be in October) is full of information with members generously sharing their knowledge. Because I surround myself with creative people that have similar interests I will never run out of things to try. The last 20 years I worked for a private investment banking firm and retired in December



2014. Since then, my husband David and I have been traveling to "bucket list" locations such as Italy, Alaska and the Yukon Territory. This year it's back to Italy for a few days in Cinque Terre and then on to Monica Branstrom's "Metalsmiths in Florence" goldsmithing workshop. In between trips I have been busier than ever working in my studio, doing yoga 4 days a week, going to museums and just playing with friends and family. Life is good.

EVENTS / EXHIBITION / CALL FOR ENTRY



**YUMA Symposium**

Feb 23rd-25th, 2017

Location: Yuma, AZ

[www.yumaartsymposium.com](http://www.yumaartsymposium.com)

The Yuma Symposium is a series of demonstrations, lectures and slide presentations given by both internationally recognized and emerging artists who have demonstrated unusual talent. The 38th Yuma Symposium begins on Thursday, Feb. 23, 2017 with registration, a social gathering, and traditional pin swap from 3:30 - 6:30 p.m. at Lute's Casino, 221 S Main Street.

**2017 Presenters include**

Mi-Sook Hur [www.misookhur.com](http://www.misookhur.com)

Marissa Saneholtz [www.marissasaneholtz.com](http://www.marissasaneholtz.com)

Demitra Thomloulidis [www.demidemi.net](http://www.demidemi.net)

**SNAG 2017 "Exhibition in Print"**

Repair and Renewal: Making Things

Whole Again

Deadline Jan 15th, 2017

Guest Curator, Stuart Kestenbaum



Soon after humans began making things, they began to repair them. This reparative spirit is still present among people who actually make things. Think of kintsugi, the Japanese art of repairing broken pots with gold, or a tinker patching pots and pans, or the improvisational work of a mechanic fixing an old car

<http://www.snagmetalsmith.org>

**Chapters: Book Arts in Southern California**

January 29 - May 7, 2017

CAFAM



Chapters explores the significance of Southern California artists in establishing the field of book arts between the 1960s and present day. Book art is a conceptual and craft-based art form that investigates relationships between content, imagery, and structure. The exhibition traces the evolution of the art form by looking at historic and contemporary artists and institutions. A broad range of demonstrations and workshops by exhibition artists, area book arts instructors, and local students augments the exhibition.

[www.cafam.org](http://www.cafam.org)

**Wearable Expressions**

**7th International Juried Exhibition**



February 10 – April 16, 2017

Opening Reception: February 10, 6-9pm

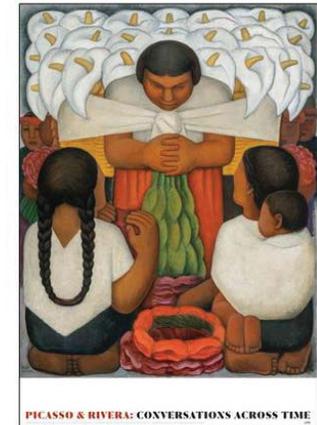
Runway Show: February 4, 2017

Palos Verdes Art Center's exhibition of wearable art returns with innovative works in fiber, jewelry and accessories by artists from around the globe chosen by an international jury.

<http://www.wearableexpressions.com/>

**Picasso & Rivera**

Dec 4th- May 7, 2017



LACMA, Los Angeles, CA

Picasso and Rivera: Conversations Across Time aims to advance the understanding of Picasso and Rivera's practice, particularly in how their contributions were deeply influenced by the forms, myths, and structures of the arts of antiquity.

<http://www.lacma.org>

Want to promote an event, have some news to share, send an email to [massc.editor@gmail.com](mailto:massc.editor@gmail.com)



It is with great sadness that we learn of Carol Webb's passing. A well-known and beloved metalsmith she influenced and inspired many of us throughout her long and successful career. Well known for her intricate work in bimetals and exquisite etched and layered pieces, Carol shared her knowledge and skills, teaching countless workshops across the United States. Her son posted this message, "It is with a heavy heart that I announce that my Mom passed on Christmas eve. One remarkable human! RIP Carol Webb Nov. 16, 1944 - Dec. 24, 2016. We will miss you Carol."



### MASSC Vision Statement

Shaping the future by preserving metal art heritage, discovering new methods while sharing our knowledge and resources.

### MASSC Mission Statement

To educate the Community, inspiring and challenging those who seek excellence in jewelry and metal arts, while providing educational, visual material and experiential connections.

## MASSC BOARD OF DIRECTORS

|                     |                  |              |                             |
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| Corresp. Secy       | Angela Roskelley | 562-818-8468 | angelaroskelley@gmail.com   |
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| Raminta Jautokas | raminta@flash.net                  |
| Ketarah Shaffer  | 949-643-9693 ketarah@earthlink.net |

MASSC web site: [www.massconline.com](http://www.massconline.com)

MASSC Newsgroup: [MetalArtsSociety-subscribe@yahoogroups.com](mailto:MetalArtsSociety-subscribe@yahoogroups.com)

MASSC on FaceBook: <http://www.facebook.com/groups/134035216002/>

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 (Jan 1- Dec 31); Regular Member, \$30; Family, \$45; Full-time Student \$20.

Membership forms are available at [www.MASSOnline.com](http://www.MASSOnline.com)

# MASSC Video Library

## Now Available on DVD

The MASSC video library currently has 20 videos on DVD of past workshops that members can check out. These DVDs are direct videotapes of actual workshops and have not been edited. Watching a MASSC workshop video is akin to being there in person.

Elise Preiss - Enameling with Decals  
Pauline Warg- Carved Bezels  
Jillian Moore - Resin in 3D  
Sarah Doremus- Kinetic Jewelry  
Charity Hall - The Brooch Approach  
Demo Day 2011 - 5 demos  
NC Black Micro-Shell Forming  
Alison Antleman - Custom Clasps  
Belle Brooke Barer - Sculptural Hollow Ring  
Diane Falkenhagen - Mixed Media Techniques for Jewelry  
Leslee Frumin - Classy Clasps  
Mary Lee Hu - Weaving and Chains  
Charles Lewton-Brain - Fold Forming  
Betsy Manheimer - Fold Forming  
Trish McAleer - Metal Corrugation  
Bruce Metcalf - Jewelry Alternatives  
Ben Neubauer - Wire Fabrication  
Harold O' Connor - Surface Embellishments & Efficient Workshop Methods  
Katherine Palochak - Tufa Casting  
2Roses - Metal Patination  
Carol Sivets - Metal Reticulation  
Lisa Slovis Mandel - Hydraulic Press  
Carl Stanley - Cuff Bracelet  
Pauline Warg - Metal Beads  
Wayne Werner - Stone Setting  
Betty Helen Longhi - Forming Techniques  
Jeanne Jerousek McAninch - Chain Making

A \$20 donation is necessary to check out each DVD. This includes the use of the DVD plus 2-way shipping. There is no additional security deposit. Members can keep each DVD for up to 30 days. Videos can be checked out on the MASSC website at [www.massconline.com](http://www.massconline.com). Click the "Video Library" link on the home page.

MASSC MEMBERSHIP  
DUE JAN. 1, 2017

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### Words from our members

Hi Diane,  
I want to let you know how much I enjoyed the MASSC holiday party. I'm so glad I went. Everyone was warm and welcoming, the food was wonderful, and it was a treat to get to putter around in Marne Ryan's studio. It was fun to see all of the ornaments for the exchange - and I treasure the one I came home with. The saw blade sorter tubes are great. I plan to purchase various sizes to keep organized next time I order supplies.  
I hope your holidays are merry and bright!  
All the best,  
Chris Hendershot

Hi Diane,  
Just a quick Thank You to you and all MASSC fellow members for such a great party as usual. Please pass on some 'thank you's' to Marne Ryan also for her hospitality! Great Job!  
Marta Crane

### Did you change your email?

Don't miss your MASSC newsletter and workshop announcements.  
Send changes to Jan Reimer at [reimer@socal.rr.com](mailto:reimer@socal.rr.com)