



Fay Butler/Jeff Ryder, Petaluma, CA Metal Shaping Seminar April 1,2,3, 2017

World-renowned metal shaper/educator Fay Butler is teaming up with Jeff Ryder, at his 5000 square foot shop at 133 Copeland Street, Petaluma, CA. Offered is a one-day lecture and demonstration by Fay Butler, with an optional hands' on day for a limited number (Must complete first day for eligibility for second day hands on). Assisting Fay during the two days will be a group of professional metal shapers, past associates of the Fay Butler school. If you've ever wanted to learn the art and science of metal shaping, here's your chance.

Fay Butler, the 2012 recipient of the Lee Iacocca award for his work in bringing back professional metal shaping to the US, has been teaching metal shaping for 25 years, to amateurs and professionals alike, developing an apprentice program for those wanting to go further. His customers have been vast from private individuals to major transportation corporations, from antique to concept, automobile to aircraft.

Jeff Ryder is a past graduate of the Fay Butler metal shaping school and apprentice program. Jeff has assembled a professional metal shaping facility, which is well tooled up. Some of the machines consist of air planishing hammers, Pullmax machines, kick shrinkers, wheeling machines, Cal Davis "kit" power hammer and an original Pettingell power hammer.

Location: Jeff Ryder, 133 Copeland Street, Suite C, Petaluma, CA 94952

Date: April 1-3, 2017

Time: 8:00 to 5:00, lunch included.

Limited space: 40 participants maximum for April 1.

6 participants max per day for hands on day April 2 and 3.

Fee: \$500.00 the first day.

\$1400.00 for the second day.

Full payment is required prior to attending, checks payable to Fay Butler.

No Refunds unless previous arrangements are made.

Student discounts: Discounts available for special considerations, please call Fay directly.

Course Outline:

Day One: Material science/Metallurgy 101 which is understanding the mechanisms that occur when shaping metal from the atomic point of view. overview of steel, its numbering systems, how to purchase. Hand tools, how to get started on a project, paper patterning, blank development and cutting out. Use of hand tools, body hammers, aviation snips, sand bag, bead roller, and Lancaster hand operated shrinker/stretcher. Demonstration of making parts, installing patch panels using hand tools, installing wire edge, turning a flange. What is a compound curve and how to map a shape. Set-up and operation of wheeling machine, air planishing hammer, Pullmax machine and the "Yoder/Pettingell" style power hammer. Stretching and shrinking principals. TIG welding; how to set up parameters, choosing filler rods, tungsten sizes and amp settings. Demonstration of making larger parts, installing turned flanges, beads and detailing panels.

Work Day: This will be a Review of last two days and moving into more advanced metal shaping operations. High crowns, low crown, reverse curves. Hands on time for participants to make actual parts they need, or test pieces directed by Fay Butler and his team, to explore metal shaping either by hand or with power. Prerequisite is to have taken the first day. Space is limited to 8 participants due to the hands on nature. This second day is for hands on experience. Sections from an early 30's rear fender. Go over buck construction and patterning. Could shrink in on power hammer/ Pullmax. Smooth out on 2nd hammer/ planishing hammer. Could weld together then flange and edge bead. Then could be doing low crown panels on wheel to #100 sweeps. Think we could get a good flow going equipment wise if we planned it well. I was thinking about something like that. Could get into reverse if the participant was advanced

Question and answer period: All three days will involve Fay answering questions. Bring along any projects that you are having problems with to any of the three days, and Fay will help you understand that specific problem. He might even use it as part of a demonstration. Also bring in any favorite tools or books that you have, hand hammers, dolly's etc for Fay to comment on. This is your opportunity to have all aspects of metal shaping discussed face to face.

What everyone should bring: Safety equipment, eyeglasses, ear protection, gloves, welding helmet/gas welding lenses (if you have one), notebook, an open mind and positive inquisitive attitude. The word day, participants may bring their own equipment to work with, to be schooled directly on what they will be using at home. This should be pre-arranged with Jeff Ryder/Fay Butler.

Enroll Now: For more information or to register contact: Jeff Ryder, ryderfab@gmail.com or call directly (707) 766-4328

For more information on Fay Butler or to talk to him directly text or call 413-433-6448, email at fay@faybutler.com or view his web site www.faybutler.com, Facebook or Instagram page.

Note: Stay tune for further details of details to be covered in the three days, as some details may vary.