



Fay Butler/Sean Ornduff, Tomball, TX Metal Shaping Seminar February 20, 21, 22, 2015

World-renowned metal shaper/educator Fay Butler is teaming up with Sean Ornduff of Ornduff Hot Rods and Craftsmanship, at his 5000 square foot shop in Tomball, TX. The full service facility specializes in pre-WWII vehicles. Offered is a two-day lecture and demonstration by Fay Butler, with an optional hands' on third day for a limited number who want to make something. Assisting the third day along with Fay 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, has been teaching metal shaping for 25 years, to amateurs and professionals alike, with 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.

Sean Ornduff is a past graduate of the Fay Butler metal shaping school and apprentice program. Sean's shop, shapes, fabricates and restores automobiles of all sorts, from hot rod to the high-end classics; they can do it all. Sean has assembled a professional metal shaping facility. Some of the machines consist of air planishing hammers, Pullmax machines, kick shrinkers, wheeling machines and Pettingell power hammer.

Location: Sean Ornduff, 23523 Lutheran Cemetery Rd, Tomball TX 77377

www.seanornduff.com

Date: February 20, 21, 22, 2015

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

Limited space: 40 participants maximum for February 20 and 21.

8 participants maximum with hands on work time February 22.

Fee: \$350.00 per day, the first two days. (\$295.00 prior to January 15)
\$595.00 for the two days. (\$495.00 prior to January 15)
\$595.00 for the third day. (\$495.00 prior to January 15)
Full payment is required prior to attending, checks payable to Fay Butler.

Student discounts: \$295.00 for the two days and \$395.00 for the third day.
Discounts available for special considerations, please call Fay directly.

Course Outline:

Day One: Material science/Metallurgy 101, overview of steel, history of refining steel and its numbering systems, how to purchase. Hand tools, gas welding of steel, 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.

Day Two: Brief review of day one, history of aluminum and its number system. 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.

Day Three: 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 two days. Space is limited to 8 participants due to the hands on nature. This third day is for hands on experience. Bring along a project to work on. Participation in day three along with a project needs to be pre-approved by Fay.

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. Third 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 Sean Ornduff.

Enroll Now: For more information or to register contact: Sean or Tonya Ornduff, ornduffsean@yahoo.com or call directly 832-492-5553

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.

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