WEEK SEVEN July 6th – July 10th

**Engraving Problems/Alumni Engraving Course**

This course is designed for students that have completed the Introductory Hand Engraving and Advanced Hand Engraving courses. It is an individualized course that will focus on specific needs of the student. Students can bring projects that they would like to get assistance with and specialized instruction. Students that register for this course should contact the instructor prior to the beginning of the class so that appropriate instructional arrangements can be made.

**Dr. Michael J. Pierson** has been an academic administrator and taught technical subjects in a university setting for over 35 years. He has been engraving for 24 years, was trained by Frank Hendricks, and is a member of the Firearms Engraver’s Guild of America. He is proficient with both the hammer and chisel and pneumatic engraving techniques and a wide variety scroll patterns.

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**Engraving Course Tool List**

**Required tools and supplies:**

1. Chasing hammer, 1-1/8" face from NGraver or GRS
2. Four 3/32” carbalt XD blanks from Lindsay
3. #7, #12, #20 straight liners in standard width from NGraver or #18-10 and #24-10 straight liners from GRS
4. Steel ruler, 6 inch
5. Dividers
6. Scribe
7. Ellipse template #20750 from Drafting Steals
8. Circle template #20724 from Drafting Steals
9. Stabilio # 8008 pencil from Amazon
10. Curved burnisher from Amazon
11. Dot punch set, No. 1,2,3 from NGraver or beading tool #10, #15, and #22 from GRS
12. Optivisor, #3 lens from GRS
13.  Talcum powder
14.  Clear packaging tape
15.  Money clip, nickel silver spring tempered from Ngraver
16.  One tube of oil based black etching ink from Faust or Eckersleys
17.  Stainless tool holder for 3/32” graver blanks from Lindsay
18.  Wet/dry silicon carbide sandpaper (220,320, & 400 grit)
19.  Palm push adjustable length graver from Lindsay
20.  3/16” brass punch from MSC
21.  3/16” steel punch from MSC
22.  Carbide bur set #004-511 from GRS

Contact information for tool and supply sources:
  GRS Tools
  Web site: www.grstools.com

  The Ngraver Company
  Web site: Ngraver.com

  Lindsay Engraving and Tools
  Web site: Lindsayengraving.com

  Rudolph Faust, Inc.
  Web site: faustink.com

  Eckersley’s Arts and Crafts
  eckersleys.com

  MSC Industrial Supply
  Web site: mscdirect.com

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