**List of illustrations**

Figure 1: Pouring elm root *magistra* into sand. Its consistency is thick and reminiscent of mucus.

Figure 2: “Squeeze” test of elm root *eau magistra* mixture. Notice how the sand packs tightly, but comes apart easily when a little pressure is applied.

Figure 3: “Squeeze” test of egg white sand mixture.

Figure 4: “Squeeze” test of another sand mixture that was too wet. Notice how muddy the sand is and how it sticks to the hand; this particular mixture would not break apart easily. This mixture was made in a previous sand casting experiment, consisting of pulverized molds (1:1 brick dust and plaster), ammonium chloride, and brandy.

Figure 5: Impression made from plaster model in egg white mold.

Figure 6: Impression made from plaster model in elm root mold.

Figure 7: Two tin objects made from the egg white mold. The object on the right is from the first cast, the left object is from the second cast.

Figure 8: One tin object made from the elm root mold.