List of Illustrations – AnnotationFall2014\_BoydPalframan\_076v

AnnotationFall2014\_BoydPalframan\_076v\_fig\_1

Title: Tangerine, Navel, and Valencia oranges

Author: Jef Palframan and Emily Boyd

Description: The three types of oranges that were utilized. Although pleasing in color, the tangerines were very foreign to early modern France and are presented only for comparison.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_2

Title: The Sest of the Oranges

Author: Jef Palframan and Emily Boyd

Description: The peels were removed with a small paring knife. Half of the amount obtained were used to create the initial mixture. The other half, those pictured here was dried for further experiments.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_3

Title: Grinding in the Mortar

Author: Jef Palframan and Emily Boyd

Description: The wet peels presented a challenge to pulverize. Only when the sulfur was added were the mortar and pestle able to engage with the substances.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_4

Title: The Individual Mixtures in Flasks

Author: Jef Palframan and Emily Boyd

Description: The mixtures produced some beautiful variations in color as can be seen here as the flasks are being prepped to be sealed.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_5

Title: Flasks in the Container

Author: Jef Palframan and Emily Boyd

Description: The mixtures were placed in a sealed container with approximately two inches of water. Paper towels were placed around the flasks to provide stability.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_6

Title: Heating the First Mixture

Author: Jef Palframan and Emily Boyd

Description: The first mixture was placed directly on the burner and heat was added relatively quickly. It began to smoke almost immediately.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_7

Title: The First Mixture Approaching Ignition

Author: Jef Palframan and Emily Boyd

Description: The first mixture seconds before ignition. Notice that some of the sulfur did convert into fluid prior to going up in flames.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_8

Title: The ‘results’ of the First Attempt at Heating

Author: Jef Palframan and Emily Boyd

Description: Very little of use remained after burning.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_9

Title: The Browning of the Mixture After Slow Heating

Author: Jef Palframan and Emily Boyd

Description: Care was taken to regulate the amount of heat going into the mixture. The white pot served as a buffer between the modified can and the burner. This allowed us to regulate the mixture and apply heat very slowly.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_10

Title: The Slow Heated Results

Author: Jef Palframan and Emily Boyd

Description: After an extended period of time the mixture browned and became partially burned. Again liquidation of the sulfur was observed, although this had no effect on the organic matter.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_11

Title: A Mixed Uncooked Pigment

Author: Jef Palframan and Emily Boyd

Description: From this photo it can be seen that some of the sulfur bonded with the linseed oil base. However, there is also so much organic particulate that the consistency of the mixture was problematic during application. It was because of foreign matter like this that we attempted to strain the mixture through linen.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_12

Title: Alternative pigment Applied to the Model

Author: Jef Palframan and Emily Boyd

Description: The alternative pigment recipe provided similar results to some of the earlier sulfur experiments. The cooking of these materials appears to provide the brown tinge, which is characteristic of most gold colorings. Again, linen was used to strain out foreign particles.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_13

Title: Finely Pulverized Mixture of Dried Orange Peels and Sulfur

Author: Jef Palframan and Emily Boyd

Description: The dried orange peels were easier to pulverize and mix with the sulfur. The consistency of the powder was noticeably better.

AnnotationFall2014\_BoydPalframan\_076v\_fig\_14

Title: The Finished Results Placed on the Model

Author: Jef Palframan and Emily Boyd

Description: The final results of all of our experimentation. The last attempt is noticeably brighter that the others. From a distance the color is vibrant and impactful on the observer, even if it would be reaching to describe this color as gold.