

Investigation & Treatment of a Hopi Gourd Lizard

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Materials

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ANAGPIC



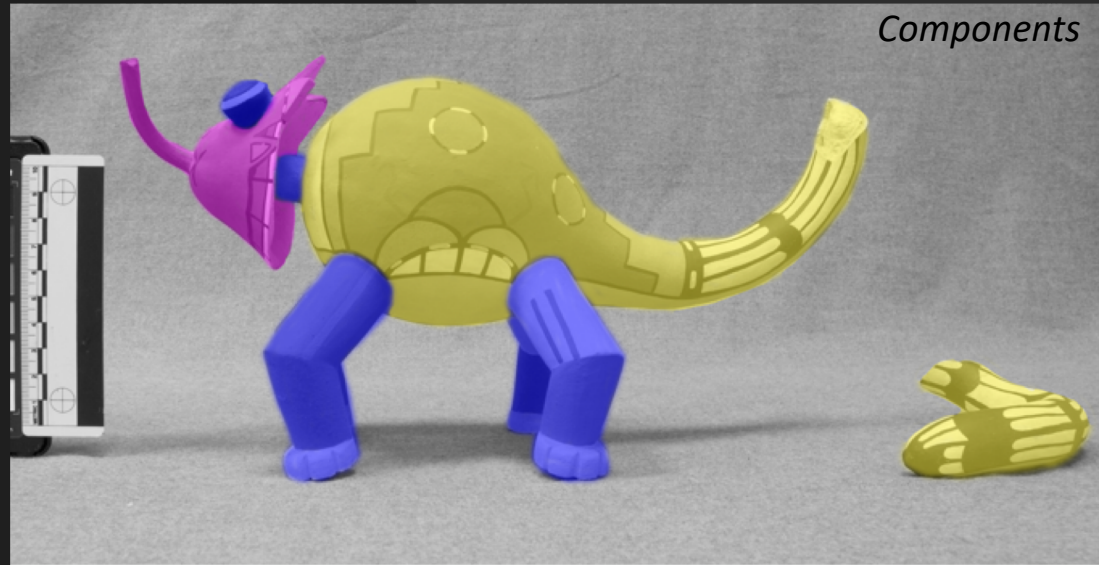
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Materials & Condition

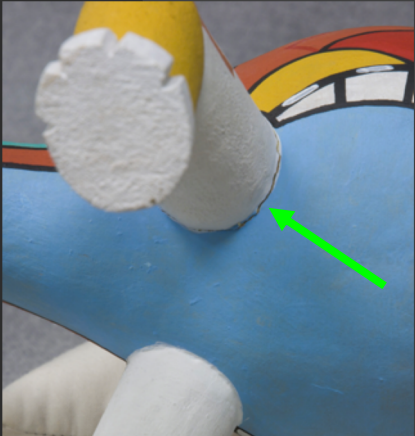
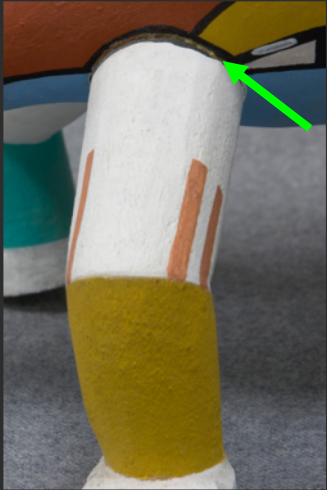


The Nequatewas making gourd objects (Photo courtesy Z. Pearlstone & E. Pearlstein)

- Hopi artist Merrill Nequatewa, ca. 1990
- Songoopavi, Second Mesa, Hopi (Arizona)
- Gourd (*Lagenaria siceraria*), wood, paint
- Broken, detached tail
- Failure of PR rear leg joint

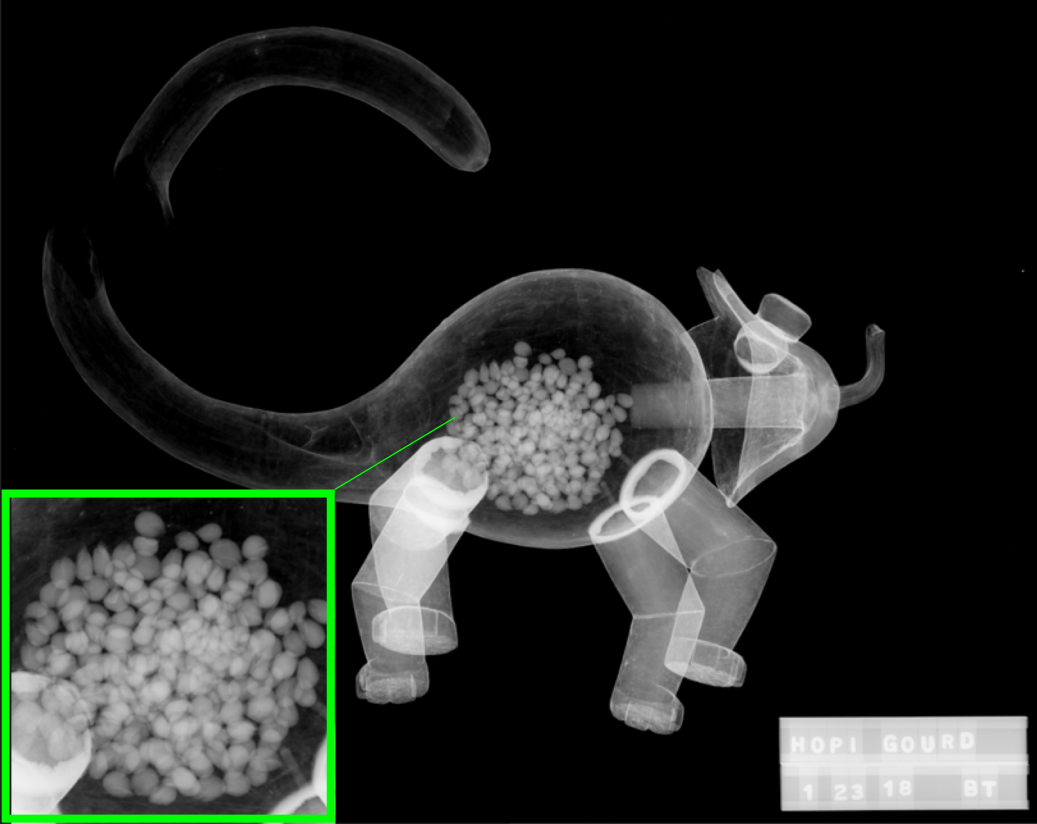


■ Gourd A ■ Gourd B ■ Wood



Structural condition issues.

Investigations



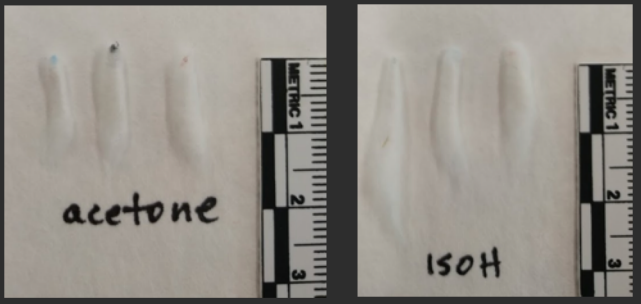
X-radiograph, 21 kV, 5 mA, 60 s (X-ray courtesy J. Maish)



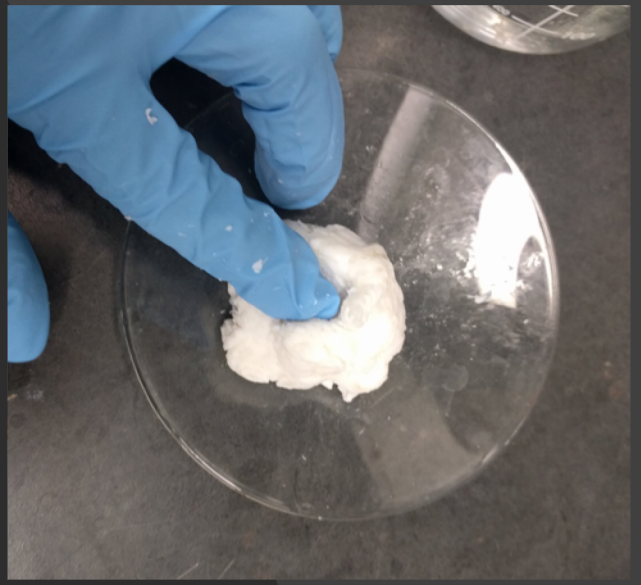
Lagenaria siceraria seeds.
(http://www.africa.upenn.edu/faminefood/noncategorized/noncat_Lagenaria_sicera)



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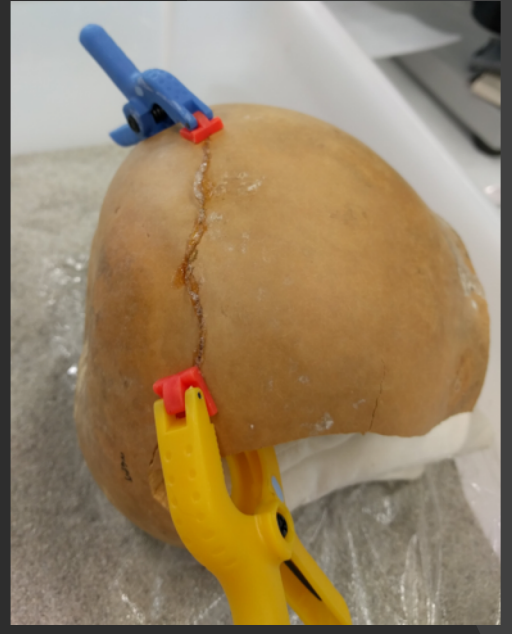
Polychromy solubility tests.



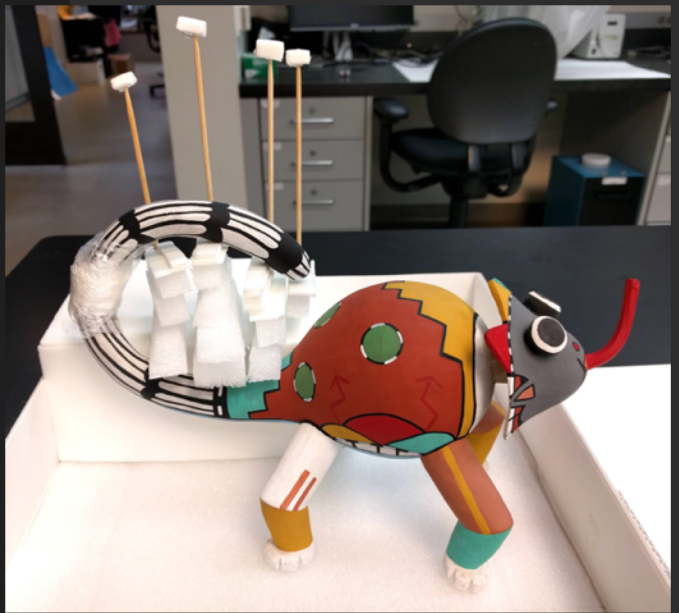
Preparation of sturgeon glue.



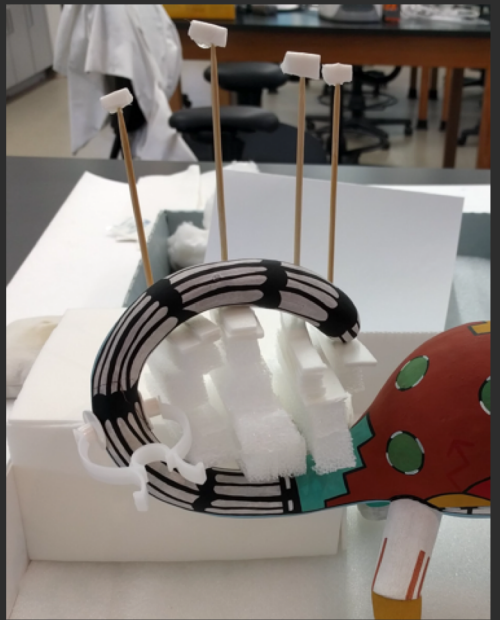
Testing adhesives for gourd.



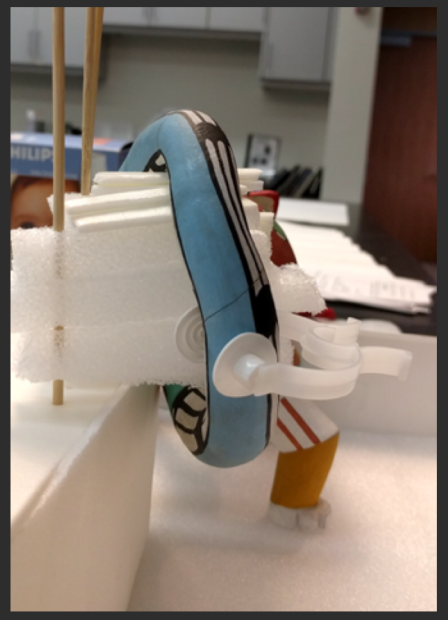
Treatment



Humidification.



After adhesive application.



Final touches on join.



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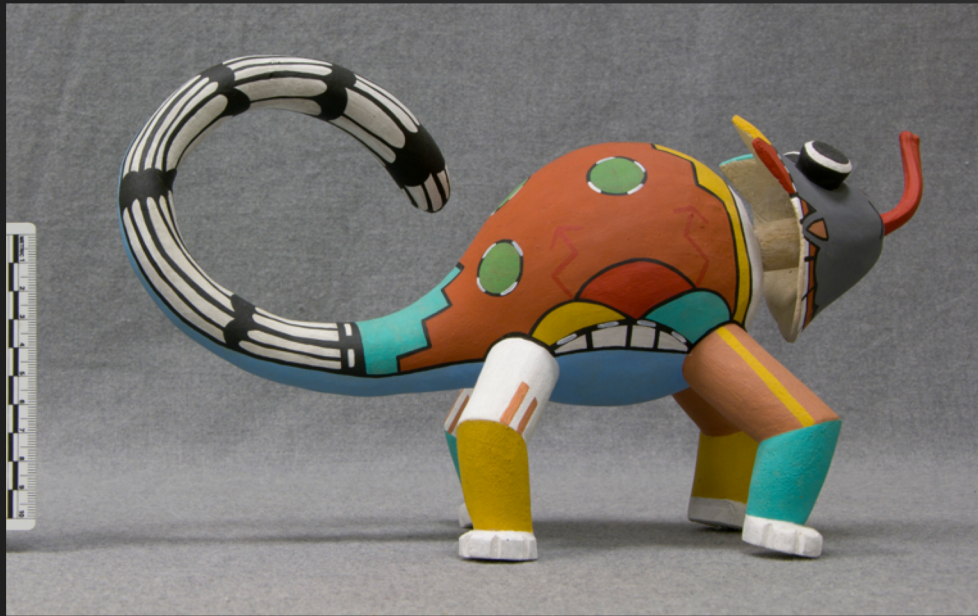


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After Treatment



Acknowledgements

Ellen Pearlstein, UCLA/Getty Program

Zena Pearlstone, Professor Emerita, California State University, Fullerton

Materials Used

Sturgeon glue, Talas, finest quality Russian salianski isinglass

Methyl cellulose, Talas

Powdered cellulose fibers, obtained from Getty Conservation Institute, vendor unknown

Winsor & Newton Designers Gouache

Winsor & Newton Artists' Water Colour

Nose clips: Disposable plastic nose clips with rubber pads, latex free, A-M Systems

Deionized water: Fisher Science Education, Type II

Gore-tex: Microporous, waterproof fabric with membrane of expanded polytetrafluoroethylene

Plastic wrap: stretch-tite[®] polyvinyl film, Kirkland Signature

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