

## *Cyclododecane, Carbon Dating and Other Conservation Curiosities...*



**Christie M. Pohl**  
**MCI Kress Conservation Fellow**  
**November 2006 - October 2007**

This presentation is an overview of research and work completed during a one-year post-graduate fellowship in archaeological conservation, funded by the Kress Foundation. The primary focus is a material science research project investigating cyclododecane, a temporary fixative used in conservation, and its effect on the  $^{14}\text{C}$  dating of organic archaeological materials. The research also explores the presence of impurities in various cyclododecane batches using Raman spectroscopy, x-ray fluorescence and gas chromatography-mass spectrometry. Additional fellowship activities will also be discussed, including the continued excavation and study of a Mongolian burial assemblage and fieldwork involving Pre-Columbian gold working in Panama.

# **MCI**

## *Topics in Museum Conservation*

**18 October 2007**  
**9:30 am**

***MCI Theater***

**MUSEUM SUPPORT CENTER**

**4210 Silver Hill Road**

**Suitland, MD 20746**

**301-238-1240**



**Smithsonian**  
***Museum Conservation Institute***