

K1688 Condition Report

Conservation Started: 29/5/13

Conservation Finished: 29/5/13

Conservator: Deborah Magnoler

Time Taken: 1.5 hr

Including digital photography, report, conservation and packing.

Dimensions: (Diam) 7.5mm (H) 3mm (Diam) hole 1mm

Weight before: 0.52g

Weight after: 0.50g

Catalogue number: 641

Digital photography:

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

X-ray: L95; L100

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

A gold dome shaped object with a ring of beaded wire surrounding it and a central hole. This might be a nail or pin head boss. It contains a bulky quantity of a green, black and orange material, which might be a mixture of corrosion products with a high copper content (see images).

Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

There is very little soil on the outside of the object. The soil on the inside is minimal, but some has become mixed with the contents of the dome and may be impossible to remove. There is no apparent recent damage.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, water on garnets, cotton wool swabs, cocktail stick, Paraloid B72

The granular soil on the outside was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. No wet cleaning was performed in order not to loose or contaminate any of the material inside the dome.

A storage box padded with white polyethylene foam was made for housing the object. A strip of Tyvek (spun bound polyethylene fibres) was used as a cushion for the object and to help lift it out of the foam.

Post-Conservation Condition/Findings: see pre-conservation reports.

Samples:

One capsule with possible plant material, found unattached from object.