ANA REPORT. 3541

<u>Magiovinium, Bucks - Notes on technological finds</u>

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These notes should be read in conjunction with Fiona Macalister's report on the bulk of the slags (A.M. Report No 3154). Qualitative analyses of some of the samples were carried out by x-ray fluorescence (XRF).

Context	A.M.L.No.	Description
231	779595	The bag contained part of a quernstone of Niedermendig lava and a large lump of dense iron slag, probably produced in a smelting furnace.
736	779601	Pieces of hearth lining including one fragment with part of a tuyere hole with a diameter of about 5 cm.
922	779665	Rim sherd of pot which has been overheated and partly vitrified with attached fuel ash slag.
737	779666	Burnt clay and ?iron ore.
532	7711015	Smithing slag and ? iron ore.
220	779325	Oxidized-fired clay with copper-rich vitreous deposit on outside. Probably part of a tuyere from a copper alloy melting hearth. XRF analysis suggests the metal was bronze.
1	779238	Base sherd of crucible with vitreous layer containing metal droplets on inner surface. XRF suggests the alloy was probably a leaded gunmetal.
220	779301	Body sherd of crucible with some vitrification of both inner and outer surfaces. A corroded metal blob on the inner surface was brass.
227	779354	Body sherd of crucible protected by an applied outer layer of less refractory clay. Both this and the inner surface were vitreous. Metal droplets were noted on the inner surface. XRF suggests they were of brass though small amounts of tin and lead were also detected.
227	779543	Rim sherd of crucible (internal diameter c. 55 mm). This sherd also had an extra outer layer which is now almost completely lost. There were small vitreous patches on the rim and inner surface and XRF analysis of a corroded metal blob on the inner surface suggested a similar composition to that of 779354.
		All the crucible sherds were of similar, fairly fine-textured, highly tempered fabrics that were, as expected, reduced fired. All the sherds suggested vessel diameters of about 5 - 6 cm.