

AMX Report 3585  
Crystal Stone.

<u>TITLE</u>	<u>Identification of a Gemstone from Battle Abbey, East Sussex.</u> <u>AM 793442</u>
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<u>DATE</u>	14 January 1982
<u>ABSTRACTS</u>	Identification and physical constants of a gemstone from Battle Abbey
<u>KEYWORDS</u>	Identification, gemstone, stone, mediaeval, quartz, crystal rock-crystal

THIS REPORT IS Level III

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The stone is oval in shape, transparent and colourless and has been cut as a 'hog's back' crystal. That is, the underside is a shallow cabochon while the top consists of two convex faces which meet at a central ridge. All three faces have been well polished but the girdle has been left rough. From its specific gravity, refractive index and characteristic inclusions the stone can be identified as quartz, variety rock-crystal.

Hog's back crystals were often used in the early mediaeval period to decorate crosses, book covers etc..

Physical constants

Colour; colourless.

Size; length 16.22mm, width 11.32mm, depth 6.83mm

Shape; oval hog's back

Weight; 1.49g (7.48carats)

Specific gravity; 2.65

Refractive index; about 1.55 (distant vision method)

Inclusions; liquid filled inclusions occurring in planes.

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