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STAINED GLASS CONSERVATION  
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**Thornhill St Michael and All Angels  
Conservation of windows nIII, nIV and nV  
Undertaken April-December 2012**

**Current conservation  
symbols and abbreviations used**

Ea	Edge joined by adhesive
L	leaf lead
M	modern glass newly inserted
A	new paint pigments (fired)
R	reversed piece
Po	Plated on back (outside)
Pi	Plated on front (inside)
Ps	Plated on both sides
PoR	Plate removed from back
PiR	Plate removed from front
PsR	Plate removed from both sides
P	Previous repair
C	Cold paint
●	Resin infill
*	internal fractures
**	advanced internal fractures
***	multiple advanced fractures

**Materials**

Lead: Stillemans, supplied by Pearsons  
Glass: Lamberts, supplied by Pearsons  
Glass paints: Cookson Mathey, supplied by Kansacraft  
Resin: Araldite 20/20, supplied by Optum International  
Cold paints: Windsor and Newton oil earth pigments -  
Ivory Black and Burnt Umber, diluted in Liquin,  
all supplied by The Art Shop, Ilkley

**Cleaning Methods**

Fibre brushes, supplied by Picard Frères  
Deionized water, supplied by Morten's Ilkley

JONATHAN COOKE IS AN ACCREDITED MEMBER OF  
THE UNITED KINGDOM INSTITUTE FOR CONSERVATION [ACR]

VAT REGISTRATION NUMBER 780 3194 28  
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nIII and nIV had been previously conserved by York Glaziers' Trust c1980, and this included a full releading. Partial releading was undertaken only to nIV 3a where there had been subsequent impact damage, and tracery panels A1-A4 of nV.

The condition of the white glass has deteriorated further since YGT report, and releading was not attempted to nV as it would have put the glass at risk of disintegration, as was found in 1974.

As the deterioration is advanced, we have adopted a \* system to record the relative condition of the pieces in these three windows. No new plates were added, and several dating from 1974 were removed where we considered it was safe to do so, on grounds that air flow around the deteriorated glass may retard to some degree the processes already underway.

The glass of the Savile Chapel is the subject of an English Heritage report series 31-2011 ISSN 1749-8775, co authored by David Dungworth, David Martlew, Richard Jaques, Jonathan and Ruth Cooke