

Universität Hamburg, Ordinariat für Holzbiologie
Leuschnerstraße 91, 21031 Hamburg

Indianapolis Museum of Art
1200 West 38th Street
Indianapolis
Indiana, 46208.4196

USA

Postadresse: 21027 Hamburg

☎ (040) 73962 - 0
(040) 7252 - 2270

Telefax: (040) 7252 - 2835

e-mail: pklein@aixh0401.holz.uni-hamburg.de

Datum und Zeichen Ihres Schreibens

Aktenzeichen (bei Antwort bitte angeben)

Datum

K1/a

June 25, 1999

Report on the dendrochronological analysis of the panel „Crucifixion“ (Cranach the Elder, Inv.-No. 100 30, signed 1532)

The analysed panel (76,3 x 55,0 cm) is made of three beech boards. Using the beech master chronology following datings could be obtained:

board I	54	growth rings	1468 - 1415
board II	122	growth rings	1523 - 1402
board III	105	growth rings	1519 - 1415

The youngest heartwood ring was formed out in the year 1523.

The boards II and III are made out of the same tree like the boards of the following paintings:

- Martin Luther- Darmstadt GK 73 – youngest growth ring: 1524
- The Judgment of Paris – Karlsruhe 109 I
- Katharina von Bora- Bremen Roseliushaus 60 I
- St.. Martinus – München 6264 II , IV
- Martin Luther- Oldenburg 52 - I und III
- Kardinal Albrecht von Brandenburg -Berlin 589, I,II,III
- Apollo and Diana – Berlin 564 , I,II,III
- Lucretia- Helsinki 1994-224 I
- Katharina von Bora – Gotha 58/17 I
- Martin Luther- Private, I,II,III
- Venus- Paris 1180 I
- John the Steadfast- Weimar G6, I ,III
- Markgrave Georg- Philadelphia 139, II
- Martin Luther- Bremen Roseliushaus 59 I
- A Faun with his Family- Donaueschingen 97 I
- St. Stephanus München 6262, II,IV

- Magdalena of Saxony – Chicago 1938.310, III
- Kasimir – Wien 883 I

The youngest growth-ring of this tree is from 1524.

For the manufacturing of beechwood panels normally only the bark was removed and the entire tree was used. Therefore an earliest felling date can be derived with the year 1524. Under the assumption of of 2 years for seasoning at least a creation is plausible from 1526 upwards.

Dr. Peter Klein