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Dendrochronological analysis of wood samples from Kongens Nytorv (KBM 3829), fase 5B-1, Copenhagen, Denmark

Linderson, Hans; Edvardsson, Johannes

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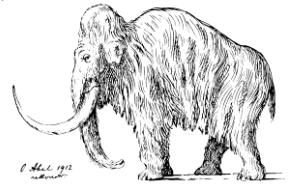
LUND UNIVERSITY

PO Box 117
221 00 Lund
+46 46-222 00 00



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DEPARTMENT OF QUATERNARY GEOLOGY
KVARTÄRGEOLOGISKA AVDELNINGEN
HANS LINDERSON



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Hans Linderson and Johannes Edvardsson

**DENDROCHRONOLOGICAL ANALYSIS OF WOOD SAMPLES FROM
KONGENS NYTORV (KBM 3829), FASE 5B-1, COPENHAGEN, DENMARK**

Constituent: Københavns Museum, Absalonsgade 3, 1658, København V

Area: Kongens Nytorv, Copenhagen **Prov nr:** 60074-077, 60118-146, 60166

Number of samples: 34 **Dendrochronological object:** Kongens Nytorv, fase 5B-1

Information:

E = after (*terminus post quem*). Note that the entry may mean "a lot later" the specified year. However, it is unusual that there are more than 100 annual rings missing.

Comments:

Unified Dendrochronological groups

A. Oak from Denmark or northern Germany. If they are felled at the same time, it would be 1185 - 1195.

B. Oak from south west Sweden. If they are felled at the same time, it would be 1232-1235, which exclude 60146 which was felled winter 1225/1226.

C. The spruce wood is undated. The most of them are for sure felled at the same year, X, the best estimate so far gives the date winter 1427/28. C14 dating is to be recommended.

D. Oak from Denmark. If they are felled at the same time, it would be summer of 1652.

E. Beech felled the winter 1227/28 in southern Scandinavia, include samples from 5B-2

Results:

CATRAS nr	PD	Species	Years	Character (Sp) Sapwood (W) Wane (B) Bark	Dating	Tree felling (V) Winter (E) After	Remark	Min Own Age	Max own age	Gr- oups
60074	207058	Oak	128	Sp 14, W	1509	V 1509/10	SW Sweden	140	160	
60075	28329	Oak	32	Sp 7, W	1652	S 1652	SW Sweden	50	70	(D)
60076	28330	Oak	55	No Sp	1642	1655±5	Denmark	70	100	D
60077	20331	Oak	44	Sp 8	1652	S 1652	Denmark	50	70	D
60118	-----	Spruce	43		Undated	-	No ST- or PD-number	50	70	
60119	207613	Oak	106	Close to Sp	1157	E 1167	Denmark / N Germany, Probably 1174±7	150	200	A
60120	207602	Oak	160	No Sp	913	E 923	SW Sweden	190	250	
60121	207604	Oak	103	No Sp	1154	E 1164	Denmark / N Germany	130	260	A
60122	207605	Oak	86	Sp 3	1214	1228±7	SW Sweden	100	140	B
60123	207606	Oak	136	Sp 2	1173	1188±7	Denmark / N Germany	150	190	A
60124	207607	Oak	143	Close to Sp	1175	1195±10	Denmark / N Germany	160	190	A
60125	207608	Oak	89	No Sp	1123	E 1133	Denmark / N Germany	100	200	A
60126	207609	Oak	109	No Sp	1136	E 1146	Denmark / N Germany	130	200	A
60127	207610	Oak	95	Sp 17	1232	1236±4	SW Sweden	110	130	B
60128	207611	Oak	81		Undated	-		100	140	
60129	207612	Beech	325	W	1227	V 1227/28	SW Sweden	330	350	E
60130	207613	Pine	140	SP	1599	1614±15	N Sweden	250	350	
60131	207424	Spruce	74	W	Undated	X*				
60132	207407	Spruce	98	W	Undated	X*				C
60133	207446	Spruce	71	W	Undated	X*				
60134	207418	Spruce	71	Prob. W	Undated	X*				
60135	207411	Spruce	64	W	Undated	-				
60136	207409	Spruce	89	W	Undated	X*				C
60137	207421	Spruce	42	W	Undated	X*				C
60138	207442	Spruce	76	W	Undated	-				
60139	207432	Spruce	88	W	Undated	X*				C
60140	207414	Spruce	140	W	Undated	X*				C
60141	207451	Spruce	35	W	Undated	X*				
60142	207449	Spruce	179	W	Undated	X*				
60143	207447	Spruce	44	W	Undated	-				
60144	207441	Spruce	112	W	Undated	X*				C
60145	207605	Oak	88	Sp 5	1216	1228±7	SW Sweden			B
60146	220886	Oak	122	Sp 16, W	1225	V 1225/26	SW Sweden			B
60166	209101	Beech	73	W	Undated	*		80	100	

*60131-144: Most likely common felling year X, but undated samples.

*60166: probably Winter 1429/30 (Poland), however not sure.

Hans Linderson, head of the laboratory

Sölvegatan 12, S-223 62 Lund Tel. +46-46-2227891, 0738-448812

Fax +46-46-2224830

e-mail: Hans.Linderson@geol.lu.se