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DEPARTMENT OF QUATERNARY GEOLOGY
KVARTÄRGEOLOGISKA AVDELNINGEN
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5 April 2012

Nationella Laboratoriet för Vedanatomi och Dendrokronologi, rapport nr 2012:24
Hans Linderson and Johannes Edvardsson
DENDRO CHRONOLOGICAL ANALYSIS OF WOOD SAMPLES FROM
KONGENS NYTORV AND GAMMEL STRAND (KBM 3829),
COPENHAGEN, DENMARK

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

Area: Kongens Nytorv and Gammel Strand, Copenhagen **Sample Id:** 60074-60077, 60100-222

Number of samples: 127 **Dendrochronological object:** Kongens Nytorv and Gammel Strand

Information:

Discussion:

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
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
60076	28330	Oak	55	No Sp	1642	1655±5	Denmark	70	100
60077	20331	Oak	44	Sp 8	1652	S 1652		50	70
60100	200098	Pine	107	Sp 70, W	Undated	-		140	180
60101	202929	Oak	143	No Sp	Undated	-			
60102	2585	Pine	145	Sp 66, near W	Undated	-			
60103	2586	Oak	78	Close to Sp	1589	2 ALT.			
60104	4045	Pine	89	Sp 57, W	1790	V 1790/91			
60105	4925	Pine	108	Sp 42, W	Undated	-			
60106	50035	Pine	60	Sp 37, near W	Undated	-		70	90
60107	200815	Pine	102	Sp 72, W	Undated	-			
60108	12269	Oak	118	Sp 6	1373	1384±7	Västergötland, Sweden	130	160
60109	4962	Pine	62	Sp 45, W	Undated	-			
60110	12270	Oak	189	Sp 19, W, B	1517	V 1517/18	Västergötland, Sweden	200	220
60111	203059	Oak	72	No Sp	Undated	-		80	110
60112	58451	Oak	28	W, B	Undated	-	To few annual rings	40	60
60113	203177	Beech	15	W	Undated	-	Wood anatomy		
60114	202965	Beech	13	W	Undated	-		20	80

60115	58520	Beech	16	W	Undated	-		20	50
60116	203263	Oak		No Sp	Undated	-	Wood anatomy		
60117	57265				Undated	-	Rejected		
60118	-----	Spruce	43		Undated	-	No ST- or PD-number		
60119	207613	Oak	106	Possible Sp	1157	E 1167	Denmark / N Germany. Probably 1174±7		
60120	207602	Oak	160	No Sp	913	E 923	S Sweden, Skåne	190	250
60121	207604	Oak	103	No Sp	1154	E 1164	Denmark / N Germany	130	260
60122	207605	Oak	86	Sp 3	1214	1228±7	S Sweden, Halland	100	140
60123	207606	Oak	136	Sp 2	1173	1188±7	Denmark / N Germany	150	190
60124	207607	Oak	143	Close to Sp	1175	1195±10	Denmark / N Germany	160	190
60125	207608	Oak	89	No Sp	1123	E 1133	Denmark / N Germany	100	200
60126	207609	Oak	109	No Sp	1136	E 1146	Denmark / N Germany	130	200
60127	207610	Oak	95	Sp 17	1232	1236±4	S Sweden, Halland	110	130
60128	207611	Oak	81		Undated	-			
60129	207612	Beech	325	W	1227	V 1227/28	S Sweden, Skåne	330	350
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*			
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*			
60137	207421	Spruce	42	W	Undated	X*			
60138	207442	Spruce	76	W	Undated	-			
60139	207432	Spruce	88	W	Undated	X*			
60140	207414	Spruce	140	W	Undated	X*			
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*			
60145	207605	Oak	88	Sp 5	1216	1228±7	SW Sweden		
60146	220886	Oak	122	Sp 16, W	1225	V 1225/26	SW Sweden		
60147	209072	Spruce	49	W	Undated	-			
60148	209073	Pine	167	Sp 60, W	Undated	-		180	200
60149	209074	Spruce	55		Undated	-			
60150	209078	Spruce	28		Undated	-			
60151	209083	Oak	126	No Sp	1176	E 1186	Local / W Denmark		
60152	209084	Oak	172	Close to Sp	1157	E 1167	Probably 1170-1190, S Sweden	210	300
60153	209088	Oak	103	No Sp	1137	E 1147	Local / W Denmark	130	250
60154	209089	Hazel					Wood anatomy		
60155	209090	Hazel					Wood anatomy		
60156	209091	Alder					Wood anatomy		
60157	209092	Hazel					Wood anatomy		
60158	209093	Beech	352	W	1227	V 1227/28	S Scandinavia	370	410
60159	209094	Beech	204	W	1227	V 1227/28	S Scandinavia	250	300
60160	209095	Oak	117	No Sp	1160	E 1170	Close to SP, probably 1170-1210, S Sweden	160	250
60161	209096	Oak	132	No Sp	1153	E 1163	S Sweden	180	300
60162	209097	Oak	157	No Sp	1151	E 1161	S Sweden	200	300
60163	209098	Oak	122	No Sp	1148	E 1158	S Sweden	150	250
60164	209099	Oak	57	No Sp	1046	E 1056	S Sweden	80	150
60165	209100	Beech	71	W	Undated	-		80	100

60166	209101	Beech	73	W	Undated	-		80	100
60167	909102	Oak	71	No Sp	1104	E 1114	Local / W Denmark	90	150
60168	209103	Oak	98	No Sp	1139	E 1149	Local / W Denmark	120	200
60169	209104	Beech	70	Close to W	Undated	-		80	110
60170	209105	Oak	118	No Sp	1089	E 1099	SW Sweden	140	250
60171	209106	Beech	266	W	1227	V 1227/28	S Scandinavia	290	330
60172	209107	Beech	39	W, B	Undated	-		50	70
60173	209108	Beech	242	W	1227	V 1227/28	S Scandinavia	290	340
60174	136655	Oak	28	Sp 5	Undated	-			
60175	135969	Oak	61	Close to Sp	Undated	-		80	120
60176	136415	Oak	37	No Sp	Undated	-		60	100
60177	135966	Oak	50	Sp 5	Undated	-		70	100
60178	135508	Beech	16	W, B	Undated	-		20	30
60179	30646	Pine	117	Sp 64, Close to W	1828	1830±2	Polen/Krakow	140	170
60180	209085	Alder	25	W		****1210±50	Alnus sp, C14	30	40
60181	209086	Alder	29	W		****1245±35	Alnus sp, C14	40	50
60182		Oak	59	No Sp	Undated	-	No ST- or PD-number		
60183	77210	Pine	73	Sp 44, W	1836	V 1836/37	S Sweden, Småland		
60184	77211	Pine	71	Sp 46, W	1836	V1836/37	S Sweden, Småland		
60185	77212	Pine	77	Sp 50, W	1838	V 1838/39	S Sweden, Småland		
60186	77213	Pine	79	Sp 48, W	1838	V 1838/39	S Sweden, Småland		
60187	77214	Pine	91	Sp 57, W	1838	V 1838/39	S Sweden, Småland		
60188	77215	Pine	82	Sp 48	1835	V 1835/36	S Sweden, Småland		
60189	90754	Pine	107	Sp 70, W	1613	V 1613/14	Sweden, Gotland		
60190	90755	Pine	119	Sp 76, ev. W	1613	*****V 1613/14	Sweden, Gotland		
60191	210867						Missing		
60192	211485	Salix			Undated	-	Wood anatomy		
60193	211485	Salix			Undated	-	Wood anatomy		
60194	211852	Alder	6	W, B	Undated	-	Too few annual rings		
60195	211855	Oak	24	No Sp	Undated	-			
60196	211856	Alder	7	W, B	Undated	-	Too few annual rings		
60197	211857	Alder	6	W, B	Undated	-	Too few annual rings		
60198	211859	Alder	9	W, B	Undated	Y**	Too few annual rings		
60199	211860	Alder	10	W, B	Undated	Y**	Too few annual rings		
60200	211861	Alder		No W	Undated	-	Too few annual rings		
60201	211862	Alder	7	No W	Undated	-	Too few annual rings		
60202	211863	Alder	8	W, B	Undated	Y**	Too few annual rings		
60203	211864	Alder	6	W, B	Undated	Y**	Too few annual rings		
60204	211865	Alder	7	W, B	Undated	-	Too few annual rings		
60205	211866	Alder	8	W, B	Undated	-	Too few annual rings		
60206	211867	Alder	6	W, B	Undated	-	Too few annual rings		
60207	211868	Alder			Undated	-	Deformerad		
60208	211869	Alder	5	W, B	Undated	-	Too few annual rings		
60209	211870	Alder	8	W, B	Undated	Y**	Too few annual rings		
60210	211872	Alder	12	No W	Undated	-	Too few annual rings		
60211	209076	Spruce	37	W	Undated	-			
60212	209077								
60213	209079								
60214	209080								

60215	220888	Beech	66	No W	Undated	Z***			
60216	220889	Pine	69	W	Undated	-			
60217	220888	Beech	119	No W	Undated	-	Correlate with 60222, might be 1252		
60218	220888	Beech	113	No W	1185	E 1185			
60219	220888	Beech	45	No W	Undated	Z-4***			
60220	220888	Beech	43	No W	Undated	-			
60221	220888	Beech	189	Close to W	1213	1214±1			
60222	220888	Beech	149	No W	Undated	-	Correlate with 60217, might be 1285		

*(60131-134, 136, 137, 139-142, 144) Most likely common felling year X, but undated samples

** (60198, 199, 202, 203, 209) Most likely common felling year Y, but undated samples.

*** (60215 and 219) Felling after year Z

**** (60180-181) Radiocarbon dated (Id LuS 9701 and LuS 9702), result shown with 1 sigma in the table

*****60190, tree felling between 1613-1623, but most likely the winter 1613/14

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