

**INSTITUT ROYAL DU PATRIMOINE ARTISTIQUE
RADIOCARBON DATES III**

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INTRODUCTION

This list includes the results of datings made during 1969-70. The method is essentially the same as described in R., 1968, v. 10, p. 29-35; 1971, v. 13, p. 29-31.

SAMPLE DESCRIPTIONS

I. GEOLOGIC SAMPLES

IRPA-66. St. Joris ten Distel **29,900 ± 700**
27,950 B.C.
Peat from St. Joris ten Distel, W Flanders, Belgium (51° 07' 40" N Lat, 3° 19' 50" E Long), at 10 m alt. Coll. 1969 by W. De Breuck, Lab. Geol., Univ. of Ghent, Belgium. No NaOH pretreatment. *Comment:* control of palynologic dates.

IRPA-67. St. Baafs Vijve **13,090 ± 440**
11,140 B.C.
Shells from St. Baafs Vijve, W Flanders, Belgium (50° 54' 40" N Lat, 3° 23' 45" E Long), at 10 m alt. Coll. 1969 by G. De Moor, Lab. Geol., Univ. of Ghent, Belgium; subm. by W. De Breuck. Pretreatment with HCl 1% until 15 to 20% weight loss. *Comment:* date elucidates unconfirmed data.

IRPA-68. St. Baafs Vijve **29,955 ± 790**
28,005 B.C.
Peat from St. Baafs Vijve, W Flanders, Belgium (50° 54' 40" N Lat, 3° 23' 45" E Long), at 1.5 m alt. Coll. by G. De Moor; subm. by W. De Breuck. No NaOH pretreatment. *Comment:* sample was taken from peat layer, at 7 to 8 m depth, between sablon upper layer and loam under layer.

IRPA-69. Zandvoorde **3365 ± 190**
1415 B.C.
Peat from Zandvoorde, W Flanders, Belgium (51° 12' 30" N Lat, 2° 57' 30" E Long), at 1.8 m alt and 15 cm depth. Coll. 1969 by G. De Moor; subm. by W. De Breuck. No NaOH pretreatment. *Comment:* sample belongs to IRPA-39-42 series, R., 1971, v. 13, p. 29. See general comment to series.

Meetkerke series

Samples from W Flanders, Belgium (51° 13' 32" N Lat, 3° 9' 43" E Long). Coll. 1969 to 1970 by W. De Breuck and G. De Moor.

	19,560 ± 540
IRPA-76. Meetkerke 1	17,610 B.C.
Shells (<i>Scrobicularia</i>), at —5 m alt; pretreated with HCl 1% until 15 to 20% weight loss.	
	21,440 ± 670
IRPA-77. Meetkerke 2	19,490 B.C.
Shells (<i>Ostrea</i>), at —5 m alt; pretreated as above.	
	17,430 ± 460
IRPA-78. Meetkerke 3	15,480 B.C.
Shells (<i>Hydrobia</i>), at —4 m; pretreated as above.	
	22,875 ± 620
IRPA-79. Meetkerke 4	20,925 B.C.
Shells (<i>Cardium</i>), at 0 m alt; pretreated as above.	
	34,160 ± 850
IRPA-86. Meetkerke 5	32,210 B.C.
Shells (<i>Cardium</i> , <i>Venerupis</i> , <i>Nasso</i> , <i>Scrobicularia</i>), at —5 m alt; pretreated as above.	
IRPA-85. St. Pieters Brugge	>35,000
Wood of calcined trunk, at —3 m alt. (51° 13' 32" N Lat, 3° 11' 38" E Long).	
<i>General Comment</i> (W. De B.): dates are used for stratigraphic study of upper Pleistocene in coastal area. Samples were from sediments and were not handled again.	
Pajara series	
Calcareous rock from Pajara, Canary Is., Spain (28° 24' N Lat, 10° 27' W Long), at 75 m alt. Coll. 1969 by P. De Paepe and R. Vermeire, Univ. of Ghent, Belgium; subm. by W. De Breuck. Pretreatment with HCl 1% until 15 to 20% weight loss.	
	25,850 ± 560
IRPA-80. Pajara 1	23,900 B.C.
	7080 ± 300
IRPA-81. Pajara 2	5130 B.C.
	19,405 ± 540
IRPA-84. Pajara 3	17,455 B.C.
<i>General Comment</i> (P. De P.): dates beginning (IRPA-80) and end (IRPA-81) of calcareous rock formation. IRPA-84 is sample of intermediate layer.	
	1630 ± 90
IRPA-87. Uitkerke	A.D. 320
Shells (<i>Cardium</i>) from Uitkerke, W Flanders, Belgium (51° 17' 35" N Lat, 1° 13' 13" E Long), at 0 m alt. Coll. 1969 by W. De Breuck. Pretreatment HCl 1% until 15 to 20% weight loss. <i>Comment</i> : shells from well at 2.5 m depth; date confirms previous data.	

IPJA-88. Izenberge **>30,000**

Shells (*Cardium*) from Izenberge, W Flanders, Belgium (50° 1' 18" N Lat, 2° 43' 36" E Long), at 11 m alt. Coll. 1970 by M. De Dapper, Lab. Geol., Univ. of Ghent, Belgium. Pretreatment HCl 1% until 15 to 20% weight loss.

IRPA-89. Ghent **30,005 ± 735**

28,055 B.C.

Shells from Ghent, E Flanders, Belgium (51° 06' 05" N Lat, 3° 45' 30" E Long), at -10 m alt. Coll. 1965 by G. De Moor. Pretreated as above.

II. ARCHAEOLOGIC SAMPLES

Weelde series

Charcoal from Weelde excavations, Flanders, Belgium (51° 25' 18" N Lat, 5° 2' 12" E Long). Coll. 1965 by H. Roosens, Service Nat. des Fouilles, Brussels, Belgium. *Comment* (H.R.): dates agree with archaeological date: Bronze age.

IRPA-49. Weelde 1

2880 ± 130
930 B.C.

IRPA-51. Weelde 2

2915 ± 160
965 B.C.

IRPA-52. Weelde 3

3155 ± 160
1205 B.C.

Jemdet Nasr series

Coal from Jemdet Nasr; Mesopotamia (32° 24' N Lat, 44° 43' E Long). Coll. 1967 by L. De Meyer, Univ. of Ghent, Belgium. *Comment* (L. De M.): before excavation, level was 12 m above ground level.

IRPA-70. Jemdet A

4470 ± 220
2820 B.C.

Coal near mud brick wall, 1 m under present level. Archaeologic date: ca. 2700 B.C.

IRPA-71. Jemdet B

3640 ± 175
1690 B.C.

Coal among ashes and burned bones, at 40 cm under present level. Also found was a painted vase dated at end of archaic dynasty or beginning of Agade age: ca. 2400 B.C.

IRPA-72. Jemdet C

2140 ± 130
190 B.C.

Coal from same site as IRPA-71, at 40 cm depth. Possibility of contamination.

IRPA-73. Jemdet D **4220 ± 140**
2270 B.C.

Coal from filling of ground and stones near a brick pipe, at 60 cm under present level. Filling is probably contemporary with pipe: ca. 2400 B.C.

IRPA-74. Jemdet E **3470 ± 190**
1520 B.C.

Coal from brick well, between 1.5 m and 1.6 m of present margin, with ceramics dated at end of Ur III age or beginning of Isin-Larsa age: ca. 2000 B.C.

IRPA-75. Jemdet F **3830 ± 215**
1880 B.C.

Coal from ground, near oven, at 50 cm under present level.

REFERENCE

- Dauchot-Dehon, M. and Heylen, J., 1971, Institut royal du Patrimoine artistique radiocarbon dates II: Radiocarbon, v. 13, p. 23-31.