

# Radiocarbon

1975

## INSTITUT ROYAL DU PATRIMOINE ARTISTIQUE RADIOCARBON DATES V

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This list includes the results of measurements made during 1972-73.

### SAMPLE DESCRIPTIONS

#### I. GEOLOGIC SAMPLES

<b>IRPA-137. Vlissegem</b>	<b>3720 ± 150</b> <b>1770 BC</b>
Ground water from Vlissegem, W Flanders, Belgium (51° 14' 23" N, 3° 07' 03" E), at 20m depth. Coll 1973 by W De Breuck, Univ Ghent, Belgium.	
<b>IRPA-138. Adinkerke</b>	<b>3480 ± 220</b> <b>1530 BC</b>
Ground water from Adinkerke, W Flanders, Belgium (51° 04' 25" N, 2° 33' 23" E), at 25m depth. Coll 1973 by W De Breuck.	
<i>General Comment:</i> CO <sub>2</sub> extraction from water samples is described in R, v 15, p 304. Dates used to study ground water formation in W Flanders.	
<b>Wortel series</b>	
Five samples of peat from Wortel, prov Antwerp, Belgium (51° 23' 58" N, 4° 47' 24" E). Coll 1973 by J Geys, Univ Antwerp, Belgium.	
<b>IRPA-143.</b>	<b>2335 ± 125</b> <b>385 BC</b>
1m depth.	
<b>IRPA-144.</b>	<b>6225 ± 260</b> <b>4275 BC</b>
3m depth.	
<b>IRPA-145.</b>	<b>8215 ± 280</b> <b>6265 BC</b>
4m depth.	
<b>IRPA-146</b>	<b>9055 ± 315</b> <b>7105 BC</b>
5m depth.	
<b>IRPA-147.</b>	<b>9320 ± 320</b> <b>7370 BC</b>
6m depth.	

*General Comment* (JG): dates used for stratigraphic study of peat formation.

#### Uitbergen series

Samples from Uitbergen, E Flanders, Belgium (51° 2' N, 3° 58' E). Coll 1973 by G De Moor, Univ Ghent, Belgium.

#### IRPA-148.

Peat at 6.9m depth.

**23,765 ± 450**

**21,815 BC**

#### IRPA-149.

Calcareous clay at 2m depth. No pretreatment because sample was too porous.

**7955 ± 245**

**6005 BC**

#### IRPA-150.

Piece of wood at 7.5m depth.

**21,115 ± 450**

**19,165 BC**

*General Comment* (GdeM): dates used for stratigraphic study. Results agree with palynologic analysis.

### II. ARCHAEOLOGIC SAMPLES

#### IRPA-131. Kruishoutem

Charcoal from Kruishoutem, E Flanders, Belgium (50° 52' N, 3° 25' E). Coll 1972 by Y Van Wambeke, subm by M Rogge, Univ Ghent. *Comment* (MR): from cremation grave of Bell Beaker culture (De Laet and Rogge, 1972). In this country the Bell Beaker culture is the 3rd of Neolithic cultures. Dates agree with GrN-2419, -3097, -2158, and -2481 (R, 1963, v 5, p 177, 178).

**4035 ± 190**

**2085 BC**

#### IRPA-132. Spy

Burned bones from Spy, prov Namur, Belgium (50° 28' N, 4° 41' E). Subm 1972 by F Twiesselman, Inst Royal Sci nat, Belgium. Collagen extraction is described by Longin (1970). *Comment*: result used to date archaeological layer.

**22,105 ± 500**

**20,155 BC**

#### IRPA-134. Ucimont

Piece of tree trunk from Ucimont, prov Luxembourg, Belgium (49° 49' 48" N, 5° 3' E). Subm 1972 by F Twiesselman. *Comment*: result used to date layers of Semois R bed.

**1870 ± 90**

**AD 80**

#### Pessinus series

Two samples from Roman excavations at Pessinus, Ballihsar, Eskisehir, Turkey (39° 20' N, 31° 35' E). Subm by G Stoops, Geol Inst, Univ Ghent, Belgium.

**IRPA-135.**

**1315 ± 70**

**AD 635**

Charcoal from upper floor of house, at 2m depth. Archaeologic date: Byzantine period.

**IRPA-136.**

**2020 ± 100**

**70 BC**

Burned corns from floor of stoa (market place) covered with calcareous colluvial material. Sample was in wall of store well.

*General Comment* (GS): dates must be compared with IRPA-126, -127. IRPA-127 dates beams used to erect the stoa while IRPA-126 dates destruction by fire. Archaeologic date: 1st or 2nd century.

**IRPA-142.**

**1600 ± 85**

**AD 350**

Wood from Ostende, W Flanders, Belgium (51° 12' 14" N, 2° 51' 07" E). Coll 1973 by H Thoen, Univ Ghent, Belgium. *Comment*: found on beach at low tide. Piece of a pile of wooden construction. Date used to study Roman habitation of coastal region. Archaeologic date: 1st to 3rd centuries.

**REFERENCES**

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- Longin, R, 1970, Extraction du collagène des os fossiles pour leur datation par la méthode du carbone-14: Thesis, Fac Sci, Univ Lyon, France.
- Vogel, J C and Waterbolk, H T, 1963, University of Groningen radiocarbon dates IV: Radiocarbon, v 5, p 163-202.