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*Radiocarbon Dating Laboratory*



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**Report on Radiocarbon Age Determination for Wk-**

**14001**

<b>Submitter</b>	JP Mower
<b>Submitter's Code</b>	21/11/03-A
<b>Site &amp; Location</b>	Parys Mountain, Anglesey, Wales, United Kingdom
<b>Sample Material</b>	Coppiced wood
<b>Physical Pretreatment</b>	Surfaces scraped clean. The wood was chopped up into small splinters and washed in ultrasonic bath.
<b>Chemical Pretreatment</b>	Sample was washed in hot 10% HCl, rinsed and treated with hot 0.5% NaOH. The NaOH insoluble fraction was treated with hot 10% HCl, filtered, rinsed and dried.

$\delta^{14}\text{C}$	$-357.6 \pm 5.4$	$\text{‰}$
$\delta^{13}\text{C}$	$-27.0 \pm 0.2$	$\text{‰}$
$\text{D}^{14}\text{C}$	$-355.1 \pm 5.4$	$\text{‰}$
% Modern	$64.5 \pm 0.5$	%
<b>Result</b>	<b>3524 <math>\pm</math> 68 BP</b>	

**Comments**

15/12/03

- Result is *Conventional Age or % Modern* as per Stuiver and Polach, 1977, Radiocarbon 19, 355-363. This is based on the Libby half-life of 5568 yr with correction for isotopic fractionation applied. This age is normally quoted in publications and must include the appropriate error term and Wk number.
- Quoted errors are 1 standard deviation due to counting statistics multiplied by an experimentally determined Laboratory Error Multiplier of 1.
- The isotopic fractionation,  $\delta^{13}\text{C}$ , is expressed as ‰ wrt PDB.
- Results are reported as % Modern when the conventional age is younger than 200 yr BP.