



East Kilbride Glasgow G75 0QU
Scotland UK

Director *Dr R D Scott*

Scottish Universities Research

& Reactor Centre

Telephone: East Kilbride (03552) 20222

Fax: 03552 72005

Direct Line:

RADIOCARBON DATING LABORATORY

Please append below any general comments on the radiocarbon ages enclosed and return a.s.a.p. to Dr G T Cook at the above address.

GENERAL COMMENTS:

For the attention of Dr G.T.Cook

Radiocarbon samples GU-5220, GU-5221 (IAS 3104), GU-5218 (IAS 4601), GU-5219 (IAS 4601).

Grain Samples from excavated buildings.

In the light of the fairly consistent results of the radiocarbon dating of these grain samples, I have re-examined the stratigraphic and ceramic evidence for two buildings for which samples were taken. The calibrated dates in all instances appears far too early and there is far too much associated material to justify such an early date for the samples. As I originally stated to Dr David Jordan at the English Heritage Laboratories, the anticipated result would have put the samples into the 11th or 12th centuries (AD), and there is still too great a weight of associated evidence to suggest any deviation from this date range.

At present, the dates from the samples seem a little disappointing.

Tom Loader
Field Officer,
Suffolk Archaeological Unit

Edwin Barritt
County Planning Officer
St. Edmund House, County Hall
Ipswich IP4 1LZ. (Tel. 0473 265131)



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RADIOCARBON DATING CERTIFICATE
26 August 1992

Sample	GU-5220
Submitter	P Murphy, Centre of East Anglian Studies, University of East Anglia, Norwich
Material	Charred Cereals (<i>Avena</i> spp)
Sample Reference	Ipswich Series IAS 3104 2476
Delta ¹³C rel. PDB	-23.8‰
Radiocarbon Age BP	1160 ± 50
Calibrated Age Ranges	
1σ	cal AD 789-954, cal BP 1161-996
2σ	cal AD 722-990, cal BP 1228-960
Laboratory Comment:	



English Heritage
ANCIENT MONUMENTS LABORATORY
RADIOCARBON DATING SERVICE

Submitters Comments on a Dating Result

When you receive each radiocarbon dating result please fill in one of these sheets and send it to the Ancient Monuments Laboratory Radiocarbon Dating Service.

Please write your comment on the dating result of your sample on this sheet. Use one sheet per sample. Each sample is unique or is submitted for a unique reason and we therefore expect each result to receive an individual comment.

Among other things you should explain how the result answers the questions that you posed on the sample submission form. Your comments will be published verbatim in the AM Laboratory Annual Datelist. Please do not exceed 50 words.

Your Sample Reference Code

IAS 3104 2476

Laboratory Sample Code (eg OxA 2315)

GU-5220

Comment:

Samples of carbonized grain stored in the cellar of a building should be expected to provide a fairly close date for when the building burnt down. The radiocarbon result is at odds with the ceramic and stratigraphic evidence, which indicates a significantly later date range.



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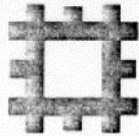
Telephone: East Kilbride (03552) 20222
Fax: 03552 72005
Direct Line:

RADIOCARBON DATING LABORATORY

26 August 1992

Sample	GU-5221
Submitter	P Murphy, Centre of East Anglian Studies, University of East Anglia, Norwich.
Material	Charred Bread (Triticum sp, Secale cereale)
Sample Reference	Ipswich Series IAS 3104 2388
Delta 13C rel. PDB	-22.7‰
Radiocarbon Age BP	1150 ± 50 AD 800
Calibrated Age Ranges	
1σ	cal AD 809-962, cal BP 1141-988
2σ	cal AD 770-990, cal BP 1180-960

Laboratory Comment:



English Heritage

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Please write your comment on the dating result of your sample on this sheet. Use one sheet per sample. Each sample is unique or is submitted for a unique reason and we therefore expect each result to receive an individual comment.

Among other things you should explain how the result answers the questions that you posed on the sample submission form. Your comments will be published verbatim in the AM Laboratory Annual Datelist. Please do not exceed 50 words.

Your Sample Reference Code IAS 3104 2388

Laboratory Sample Code (eg OxA 2315) GU-5221

Comment:

This sample from a carbonized bread roll located on the floor of a burnt down cellared building failed to produce a radiocarbon date consistent with the ceramic and stratigraphic evidence.



Dear Tom

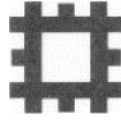
KW

Here with the C14 date for the hazel wattling from IAS 3104. The date is still earlier than expected, which does surprise me. I shall be doing fieldwork most of next week, but you can try to phone me if you want to discuss it.

University of East Anglia
Norwich NR4 7TJ England
Telephone Norwich (0603)56161

Direct Dialling (0603) 59
FAX (0603)58553 Telex 975197

Centre of East Anglian Studies
WITH COMPLIMENTS



English Heritage

Fortress House 23 Savile Row London W IX 1AB Telephone 071-973 3000 Fax 071-973 3001

16th April 1993

Dear Peter,

Gordan Cooke has recently sent to me a result from a sample submitted by you from a site at St Stephen's Lane (GU-5270). I would be grateful if you would fill in the enclosed comment form and send it to me here at the Ancient Monuments Laboratory.

I have also enclosed a form for you to comment on the series of radiocarbon results from this site. Once you have received results from all the samples you have submitted, could you please fill it in and again send it to me here.

I am,
yours sincerely,

Suffolk CC
Planning Department
Rec 20 APR 1993

Alex Bayliss



East Kilbride Glasgow G75
OQU Scotland UK
Director: Or R D Scott

Scottish Universities Research & Reactor Centre

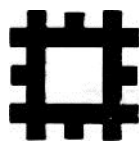
Telephone: East Kilbride (03552) 23332

Fax: 03552 29898

RADIOCARBON DATING CERTIFICATE

1 April 1993

Sample	GU-5270
Submitter	P.Murphy. Centre of East Anglian Studies, University of East Anglia, Norwich.
Material	Charcoal (Corylus)
Sample Reference	St Stephens Lane, IAS 3104 2604
Delta ¹³C rel. PDB	-26.0‰
Radiocarbon Age BP	1210 ± 50
Calibrated Age Ranges	
1 σ	cal AD 724-886, cal BP 1226-1064
2 σ	cal AD 680-950, cal BP 1270-1000
Laboratory Comment:	



English Heritage

ANCIENT MONUMENTS LABORATORY

RADIOCARBON DATING SERVICE

Submitters Comments on a Dating Result

When you receive each radiocarbon dating result please fill in one of these sheets and send it to the Ancient Monuments Laboratory Radiocarbon Dating Service.

Please write your comment on the dating result of your sample on this sheet. Use one sheet per sample. Each sample is unique or is submitted for a unique reason and we therefore expect each result to receive an individual comment.

Among other things you should explain how the result answers the questions that you posed on the sample submission form. Your comments will be published verbatim in the AM Laboratory Annual Datelist. Please do not exceed 50 words.

Your Sample Reference Code IAS 3104 2604

Laboratory Sample Code (eg OxA 2315) CU-5270

Comment:

The radiocarbon date range for the sample is not consistent with the stratigraphic and ceramic evidence as such it has failed to provide any closer dating of the structure from which it was removed.



English Heritage

ANCIENT MONUMENTS LABORATORY
RADIOCARBON DATING SERVICE
Submitters Comments on a Dating Series

Each sample submitted for radiocarbon dating usually forms part of a series of submissions intended to answer related dating questions which no single result can resolve.

Please write your comments here on the results from a series of dates, once you have received all the results for that series. Such a series can be defined in a number of ways but we would normally expect it to encompass all the associated results from a single season of excavation, a single set of peat samples related to a pollen analysis or their equivalent.

Among other things, you should explain how the results answer the questions posed at the outset of the dating. Your comments will be published verbatim in the AM Laboratory Annual Datalist. Please do not exceed 100 words.

Series Name St Stephen's Lane

Laboratory Sample Codes (eq OXA 2315, 2316, 2341 ...) GU-5270, GU-5220, GU-5221, GU-5218, GU-5219.

Comment:

Sample of carbonized grain and wickerwork were selected from the contents of three burnt-down buildings from two separate Ipswich sites. Radiocarbon results have indicated a range from late 7th to late 10th century A.D. All of which have been persistently at odds with ceramic and stratigraphic evidence for 11th or 12th century dates.