



24 Blackstone Street, Cambridge, Mass. 02139
Telephone TRowbridge 6-3691

REPORT OF ANALYTICAL WORK
RADIOCARBON AGE DETERMINATION

Our Sample No. GX-2029
Your Reference: Sample B
Submitted by: Mr. Robert Stone
RFD #207-B
Derry, New Hampshire

Date Received: 14 October 1970
Date Reported: 30 November 1970

Sample Name: Sample B, charcoal.

AGE = 2120 \pm 95 C-14 years B.P. (170 B.C.)

Description: Charcoal fragments in soil.

Pretreatment: Selected charcoal fragments were cleaned of foreign material, including rootlets or other contaminating material that could be observed. They were then digested in hot dilute HCl and in hot dilute NaOH to remove chemical contaminants prior to combustion and analysis.

Comment:

Notes: This date is based upon the Libby half life (5570 years) for C¹⁴. The error stated as $\pm 1 \sigma$ as judged by the analytical data alone. Our modern standard is 95% of the activity of N.B.S. Oxalic Acid.

The age is referenced to the year A.D. 1950.



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7 December 1970

Mr. Robert E. Stone
RFD #207-B
Derry, New Hampshire

Dear Bob:

We have completed our attempts to analyze the 2 samples which were delivered to us by Mr. Whittal in late September and October. As I reported to you by telephone one of these could not be dated because it proved to be too small. The other sample has yielded an age of $2,120 \pm 95$ C-14 years B.P. which I trust you will find interesting and useful. I am not certain of the sample localities since the only information we received were the sample containers with reference numbers. As always, I trust you will not hesitate to get in touch with me if you have any questions about these results. In the meantime, I am enclosing an invoice for the 1 sample which we were able to successfully date.

Sincerely,
GEOCHRON LABORATORIES, INC.

A handwritten signature in dark ink, appearing to read "Harold W. Krueger". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Harold W. Krueger
Technical Director

HWK/pc
encs.