



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

3 June 1969

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


Dear Bob:

We have now completed the radiocarbonage determination on a sample of charcoal which was delivered to us by Jim Whitall a few weeks ago and you will find our written report enclosed. This sample was recovered from a level immediately below the pine stump roots according to Mr. Whitall and as you will see gives a rather old date of almost 3,000 years.

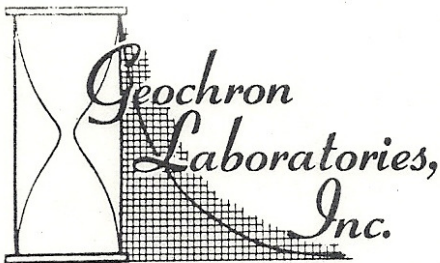
The sample again yielded somewhat less carbon than I would have expected considering its size, but there was quite sufficient material for a good date. It looks as though you finally have come up with something really interesting from this site.

I am sure you may have questions about the date and I trust you will not hesitate to get in touch with me if you do. In the meantime I am enclosing our invoice for the analysis and I trust we shall hear from you if we can be of service to you again.

Sincerely,
GEOCHRON LABORATORIES, INC.


Harold W. Krueger
Technical Director

HWK/pw
encs.



24 Blackstone Street, Cambridge, Mass. 02139

Telephone Trowbridge 6-3691

876-

REPORT OF ANALYTICAL WORK

RADIOCARBON AGE DETERMINATION

Our Sample No. GX-1608

Date Received: 22 May 1969

Your Reference:

Date Reported: 30 May 1969

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

Sample Name: Mystery Hill site, 24th level, charcoal.

AGE = 2995 ±180 C-14 years B.P.

Description: Charcoal fragments in moist 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: The sample gave less carbon than would be expected from its size, but it was quite adequate for dating. (H.W.K.).

Notes: This date is based upon the Libby half life (5570 years) for C¹⁴. The error stated as ±1 σ 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.