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11 July 1967

REPORT OF ANALYTICAL WORK  
RADIOCARBON AGE DETERMINATION

Our Sample No.: GX-0025

Your Reference No.: 11

Sample Name: Mystery Hill, drain fill, charcoal.

AGE = Less than 400 C-14 years B.P. (i.e., younger than A.D. 1550).

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Description: Charcoal fragments in soil.

Location: Mystery Hill site, New Hampshire.

Occurrence: From bottom few inches of material excavated from "drain" structure.

Collected: 1967.

Submitted by: R.E. Stone, Derry, New Hampshire.

Comments: The charcoal was picked from the soil and treated with hot dilute HCl and NaOH to remove chemical contaminants prior to analysis.

The C-14 activity of the sample was so close to the modern (1950) value that it could not be distinguished with certainty.

Notes: This date is based upon the Libby half life (5570 years) for C<sup>14</sup>. The error stated is  $\pm 1\sigma$  as judged by the analytical data alone. Our modern standard is 95% of the activity of N. B. S. Oxalic Acid.