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REPORT OF RADIOCARBON DATING ANALYSES

FOR: Richard C. Nieman
St. Louis, MO

DATE RECEIVED: September 30, 1993
DATE REPORTED: October 6, 1993
SUBMITTER'S PURCHASE ORDER #

PRIORITY Basis

BETA NUMBER	YOUR SAMPLE NUMBER	C-14 AGE YEARS B.P. ± 1σ	
Beta-66584	none	820 +/- 70	Organics

As adjusted for dendro calibration, explained on attached sheet, date = 1229 AD.

These dates are reported as RCYBP (radiocarbon years before 1950 A.D.). By international convention, the half-life of radiocarbon is taken as 5568 years and 95% of the activity of the National Bureau of Standards Oxalic Acid (original batch) used as the modern standard. The quoted errors are from the counting of the modern standard, background, and sample being analyzed. They represent one standard deviation statistics (68% probability), based on the random nature of the radioactive disintegration process. Also by international convention, no corrections are made for DeVries effect, reservoir effect, or isotope fractionation in nature, unless specifically noted above. Stable carbon ratios are measured on request and are calculated relative to the PDB-1 international standard; the adjusted ages are normalized to -25 per mil