



# INSTITUTE OF APPLIED SCIENCE OF VICTORIA

Science Museum — Planetarium — Observatory — Radiocarbon Dating Laboratory

ESTABLISHED 1870

Radiocarbon Dating Laboratory

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MELBOURNE, C.1

VICTORIA, AUSTRALIA

28th. November, 1966

## REPORT ON RADIOCARBON MEASUREMENT

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FOR: Dr. G. Reber,  
C.S.I.R.O.,  
Stowell Avenue,  
Hobart, Tasmania.

SAMPLE COLLECTED BY: G.Reber

LABORATORY REFERENCE  
NUMBER: V-20.

DESCRIPTION OF SAMPLE  
AND SITE: Charcoal from midden on N of creek  
into Grandfather's Beach, Cape Sorell,  
Macquarie Harbour, Tasmania.  
Site 13B.

SAMPLE PRETREATMENT: Hydrochloric acid

REFERENCE STANDARD  
AND ERRORS: Age calculation has been based on the  
C<sup>14</sup> half-life of 5568 yr and uses a  
reference activity of 0.950 NBS oxalic  
acid standard.

The quoted uncertainty in the age  
(one standard deviation) is derived  
from the counting statistics and does  
not include the uncertainty in the  
half-life figure. No correction has  
been made for isotopic fractionation  
of the sample.

AGE IN YEARS BP  
(BEFORE AD 1950): 1120 ± 70

AGE IN YEARS AD/BC: AD 830 ± 70

NOTE: The quoted error of ± 70 yr reflects  
the precision of counting. In using  
this date the error should be widened  
to ± 110 yr to allow for error due to  
the de Vries effect.

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Invoice no: IAS/1873

*A. Bermingham*

(A. Bermingham)