

GAKUSHUIN UNIVERSITY

FACULTY OF SCIENCE

MEJIRO, TOKYO, JAPAN.

18th Jan. 1965

Dr. Grote Reber
Tasmanian Regional Laboratory
"Stowell" , Stowell Avenue
Hobart, Tasmania,
Australia

Dear Dr. Reber :

In our laboratory two kinds of counters (A & B) are working for dating and we are accepting samples for C-14 assay from other institutions under the following conditions.

Amount of carbon required :

A ; minimum amount 1.5 g Carbon,

B ; minimum amount 10 g Carbon.

It is preferable to send us more than 3 times of this minimum amount. Please take care of the content of carbon in the sample. Even in the case of dry charcoal some times it contains carbon of less than 60%.

Accuracy of assays :

Errors of activity measurements for modern carbon,

A ; less than 1% (corresponding to ca. \pm 150 yr),

B ; less than 0.5 % (corresponding to ca. \pm 70 yr).

Oldest age measureable :

A ; 30,000 yr before present,

B ; 45,000 yr before present.

Required time for the assay :

3 to 5 months after we receive the sample.

Charge for an assay :

A ; \$50.00 , B ; \$100.00

We should appreciate if we could receive following informations about the sample ;

(1) Name of collector, (2) date of collection and precise geographic location, including latitude-longitude coordinates, (3) occurrence and stratigraphic position or cultural description, (4) significance of the dating on this sample and other datings on the same or closely related samples, (5) and other comment and literature related.

above informations will help us to make the date list of our laboratory and also help us the choice of pretreatment of the sample.

Sincerely yours

Kunihiko Kigoshi

Kunihiko Kigoshi

Professor of Chemistry