

UNIVERSITÉ DE RENNES

FACULTE DES SCIENCES  
de Rennes

LABORATOIRE DE M. CRIÉ

Rennes, le 21 Mars 1911.



Monsieur L'Honorable Collège,

Je vous dois mille remerciements pour  
les trois échantillons de bois du salon qui  
sont arrivés à Guada. L'un de ces  
échantillons m'a particulièrement intéressé,  
c'est celui qui est atteint de

"pourriture sèche", brune ou rouge, et  
dont certains parties se résolvent  
en pourriture brune. Si vous étiez  
permi de me faire parvenir quelques  
petits fragments du morceau en question,  
je serais très reconnaissant.

Veuillez recevoir, Monsieur l'Honorable  
Collège, mes remerciements,  
et mes sentiments les plus  
distingués.

L. Crié

Professeur à la Faculté des Sciences de Rennes

Les champignons du bois (stermites, Polyporus  
sporarius, etc) combinent-ils à leurs  
caractères les constructions de rotte faye?



1881

UNIVERSITY OF TORONTO

FACULTY OF SCIENCE

PHYSICS

LABORATORY OF PHYSICS

The first part of the experiment was to determine the value of the acceleration due to gravity. This was done by measuring the time taken for a body to fall a certain distance. The results of the experiment are given in the following table:

Distance (m)	Time (s)
0.5	0.32
1.0	0.45
1.5	0.55
2.0	0.63
2.5	0.70
3.0	0.77
3.5	0.83
4.0	0.89
4.5	0.95
5.0	1.00

From these results it can be seen that the time taken for a body to fall a distance of 5.0 m is 1.00 s. This gives a value for the acceleration due to gravity of  $9.8 \text{ m/s}^2$ .

The second part of the experiment was to determine the value of the coefficient of friction between a block and a surface. This was done by measuring the force required to pull a block up an inclined plane. The results of the experiment are given in the following table:

Weight (N)	Force (N)
1.0	0.3
2.0	0.6
3.0	0.9
4.0	1.2
5.0	1.5

From these results it can be seen that the force required to pull a block up an inclined plane is directly proportional to the weight of the block. This gives a value for the coefficient of friction of 0.3.







