

October 27, 1941

Dear Topley,

Very many thanks for the prompt way in which you have got the A.R.C. to authorise the grant.

I am a little worried about the way in which unduly wet samples may be treated. I had thought the programme was something like this:-  
In the case of samples which cannot be brought, or have not been brought, to a standard consistency by absorbent paper, as was suggested in Committee:

- a) thoroughly mix the sample;
- b) take a sub-sample for dry matter determination;
- c) divide the dry matter percentage into 20 to obtain a correction factor ( $\frac{m}{20}$ ) appropriate to comparison with uncorrected samples containing 20% dry matter;
- d) make up the dilution for the count chambers, using  $\frac{m}{20}$  times the standard amount of the sample.

If this is feasible, I think it ought to be done this way, and not particularly by applying a correction factor to the whole number counts made in the chambers.

Does this sound sense?

Yours sincerely,