

July 5, 1940

Dear Mr Peters,

I have your letter of July 4th, and what you say about administrations A, B and C makes the experiments much clearer. I suppose the quantity of bile and of the second anthelmintic used as a solvent is the same for columns 0, 1 and 2, that is, the quantity is not doubled as you pass from 1 to 2. In this case I do not think I should use all four additional labels OA, but distribute them one each to OB, OC, 2B, 2C, unless indeed you already feel confident that phenothiazine is going to have a clear effect on the double dose, in which case they might be assigned two each to 1B and 1C.

The disadvantage of using an odd number of animals, and it would, of course, be better to use three in each of the nine cells, is that it complicates the statistical tests, though a little added precision where it is needed is well worth this extra trouble. In any case, I will gladly handle the results of the experiment in this Department, if this would be of aid to you.

I should use the whole of the data for weight regressions; there should be 13 degrees of freedom within treatments for this purpose, though of course with small numbers the experiment may

P.T.O.

show no significant effect on weight, even though the reduction in egg numbers is clear.

Yours sincerely,