

August 26, 1942

Dear Topley,

I think it was you who raised the question of ~~the~~ a possible time graph showing the progress of the effect of phenothiazine in our 15-week outside trials. Miss Burton has been trying out a number of possible graphs to illustrate this.

There seems to be no way of avoiding a very confused diagram without making allowance for initial weight. This is most intelligibly, and not ineffectively, carried out by plotting straight average increases over initial weight for the different dosages at different periods. The sheet I have marked A gives these actual increases over the initial weights. You will notice that on the average of all flocks there is generally an increase of weight up to 9 weeks, with some loss following during the next 6 weeks. In chart B I have reproduced the same graphs, shifting, however, each of them vertically enough to get it clear of the one before.

We noticed before that, in several flocks, the 10-gm sheep did badly, and these time graphs bring out the further fact that the sheep at 10-gms were losing weight relatively to other dosages quite rapidly at the end of the experiment, when the relative weights of all other dosages were not changing greatly. This certainly suggests that the

lower performance of the 10-gm. sheep was not directly connected with the dosage they received 15 weeks earlier.

I am sending you the graphs to ascertain whether you think either of them brings out points worth having. When you can, perhaps you will send them on to Peters.

Yours sincerely,