

THE GALTON LABORATORY

PROFESSOR R. A. FISHER, Sc.D., F.R.S.

Harpden 3621.

A. C. FABERGE, Ph.D. Geneticist.
G. H. MORANT, D.Sc. Anthropologist.
R. R. RACE, M.R.C.S., L.R.C.P. Ass. Serologist.
W. L. STEVENS, B.A., B.Sc. Statistician.
G. L. TAYLOR, M.D. Serologist.

Rothamsted Experimental Station,
Harpden,
Hertfordshire.

J. BELL, M.A., F.R.C.P. *Treasury of Human Inheritance.*
H. N. KARN, M.A. *Annals of Eugenics.*

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Dear Professor Topley,

I have your papers A.R.C. 5826 and 5829 on the Phenothiazine experiment.

If it is decided to apply the dose in the form of tablets, rather than as a drench, I suggest that the three subgroups at each dosage should receive their total dose

(A) in a single application (B) in two equal applications
and (C) in four equal applications

making the correct total, these subgroups replacing wetting agents A, B and C. The time-table could then be somewhat as follows:

Monday, September 1st	1st weighing 1st sampling
Wednesday " 3rd	2nd sampling
Friday " 5th	3rd sampling Treatment A 1st treatments B and C
Saturday " 6th	2nd treatments B and C
Monday & Tuesday, 8th & 9th	Completion of treatment C
Monday 15th -Saturday 20th	4th to 9th samplings
Monday September 22nd	2nd weighing, followed by

slaughter and worm counts for Inside flock. Outside flock has four further weighings at fortnightly intervals.

Here I have left three weeks instead of two between the first two weighings. If the dosage is to be regulated accurately by live weight, the initial weight must be known before dosage begins. If there were any advantage, the first weighing could be postponed till Thursday, 4th, and the second weighing taken after a fortnight, on the 18th, but this is very soon after the completion of the administration, and might miss the transient depression of weight following dosing which ^{has} ~~is~~ been suspected from the preliminary experiments at Winches Farm. I imagine, therefore, that it will be more convenient to have a three weeks interval between the first two weighings, and two weeks for the next four intervals.

Alternatively, if it were thought convenient to continue the Outside flock for a further four weeks, all five intervals between the six weighings could be made equal to three weeks. I should think this would be better.

Whichever programme is chosen, it is important that all centres should use just the same intervals, otherwise the results as to weight, which from some points of view will be regarded as the most important, may be seriously obscured.

May I remind you of the last paragraph of my letter of August 7th?

Yours sincerely,

R. A. Fisher