

MOUNT HOPE FARM
WILLIAMSTOWN
MASSACHUSETTS

HUBERT D. GOODALE, PH.D.
GENETICIST

August 3, 1931

Dr. R. H. Fisher
University of Minnesota,
St. Paul, Minnesota.

Dear Dr. Fisher:

I am writing a bit hastily, because of the short time since the arrival of your letter, my departure for a day or so, and the limited time you remain in America.

There are two or three specific points on which I would like your opinion.

1. Can the method of substituting numerical values for each gene as used in table 1 be criticised?
2. If the method used in table 1 is correct, does the conclusion follow that sire equals twice the daughters minus the dams, when gene A is half AA?
3. If A is not half AA but is the same as AA, that is if dominance exists, have I correctly worked out the consequences of this hypothesis?
4. Have I erred in dealing with the effect of genes occurring in different ratios of homozygote, heterozygote and recessive, especially as bearing upon the distribution of a population?
5. Granting dominance, have I correctly deduced the deviations to be expected in a bull's rating from the average proportion of genes as given in the text, "Calculated and Actual Numerical Phenotypes," page 23.

Thanking you, I remain

Sincerely,

H. D. Goodale
H. D. Goodale
Ph.D.

Aug 14,

This letter was
just returned to me today
H.D.G.