13th. March, 1929.

A.D. Buchanan Smith, Eaq., M.A., Animal Breeding Research Department, King's Buildings, West Mains Road, Edinburgh.

Dear Buchanan Smith,

I do not seem to have a copy of my last letter to you.

I think the point is this; p cows give yields

Then

$$(x_{1} - x_{2})^{2} + (x_{1} - x_{3})^{2} + \dots (x_{n} - x_{n})^{2} + (x_{2} - x_{3})^{2} + \dots (x_{n} - x_{n})^{2} + (x_{2} - x_{3})^{2}$$

$$pS(x^{2}) - S^{2}(x)$$
where $S(x^{2}) = x_{1}^{2} + x_{2}^{2} + \dots x_{n}^{2}$

$$S(x) = x_{1}^{2} + x_{2}^{2} + \dots x_{n}^{2}$$

I hope this talkies with what I said before. If not send it all back and I will sort it out.

I should classify the relationships according to the probability of showing X or A chromosomes, before pooling them, this may simplify the work in the way you want.

Yours sincerely,