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23rd May, 1962.

Dr. G. Davidson,  
Ross Institute,  
London School of Hygiene and Tropical Medicine,  
Keppel Street,  
LONDON, W.C.,  
England.

Dear Dr. Davidson,

I am now back in South Africa and have at last some opportunity to answer my recent correspondence.

Since I wrote to you ~~last~~ I have been able to study my Amani notes and have found that my memory had somewhat led me astray in regard to the crosses I did between my Muheza colony and the Kisumu colony. In fact, the results of the cross were quite good; I got a reasonable percentage of healthy adults to emerge, although some did die on emerging on one day. The sex-ratio did not deviate significantly from 1:1 and the F<sub>1</sub> male testes were quite normal, so the differences in my crosses with saltwater gambiae must be due to other causes than that I was dealing with group A and group B freshwater colonies.

I would like to suggest to you that all of us working on gambiae complex studies should standardize our reference colonies. I should like to see the Kisumu colony used as the "type" of group A since it is the most widely used colony of A. gambiae. I hope you will agree with this and suggest a colony as a reference colony for group B. It might be argued that the Kisumu colony is not a good one since on the spot character it is abnormal for group A, but since we need the reference for crossing experiments, I feel that this does not matter. I should be very pleased if you would help us by sending us eggs of the group B colony you choose so that we may establish it here.

I have got some very interesting field observations on saltwater gambiae from Mauritius and am now attempting to type this form against the Tanga colony.

I am sorry to hear that the morphological characters of Miss

Coronel are not always reliable. This will make it difficult, perhaps, to decide on the group to which the type of A. gambiae belongs.

With my best wishes.

Yours sincerely,

H. E. Paterson.

H. E. PATERSON