Dear Jackson,

Thanks for your paper on Tetse flies, which I am glad to have for the Annals, though, and I hope if may not be too late in suggesting this, I rather hoped you would take the opportunity of poing into the problem of interpretation in more detail. I am particularly glad that you have included the actual primary data as well as trales of various derived at tistics.

There is one quite salient fact, which I do not remarker your mentioning, and which may beer on the evidence for ambits; tout is, that when you record of a batch of flies A, recovered in its own nub-source B and the two neighbouring sub-squeres, and C, in the op onits corner, your data show generally B exceeding dic, and this often quite significantly. I do not think you would expect this for squares not down at rendom in the country, but it would follow if a number of ambits involved two adjacent sub-squeres though none involved all four, The Club-house in the middle, as I fancy you sid it was, not being placed in a seasonal marsh. Let me know if you see any sense in this, as of course at this end it is possible for me to get some of the feats inside out. The discrepancy I speak of is, however, too striking to be without some substantial cause.

The factor, I think about 3/4, by which you find estimated fly densities should be reduced is really the average velue for different flies caught in the square of the fraction of its time mild it spends in the square. One can equally make the correction by requiring the fly population as estimated as inhabitants of an res larger than the square actually sampled, and this is a way of locking at it to which I have sliveys been inclined. The additional aren to be so included would be. I think, to a fair approximation s beit of fired width surrounding the sample area. In saying this I im not concerned with geometrical niceties, such as conther if the wieth ere one-third of a mile you should regard yourself as estimpting the population of an erea 4 2/3 miles square, or whether the corners should be rounded off, or even the additional area taken , so ortions to your return erimeter, These differences in convention rould give bethesatically different laws connecting the size Inc. shape of your sample area with the factor of adjustment, but I into the no available or easily conceivable data could be accurate enough to make the fine distinctions between them-

In the cases of recepture curves showing an appraciable curvature I should have been tempted to use an exterpolation formula allowing for the curvature rather than to rely an only the first two weeks receptures. However, these often contain a large proportion of the receptured flies, and there may not be a great deal of precision to be gained by taking the later weeks into account. In any case I am sure the publication of your full data ought to a simulate others to try their hands at the problem of interpretation, and if I understand your paper right, you have already natisfied yourself on the main apparent discrepancies which were workying you during your 1 at stay in England.

Yours sincerely,