

March 12th 1948.

My dear Ron,

Here is the paper, of which I have made a first draft, giving our results with the Meadow Brown on Tran in 1946. You will see that I have been held back on several points since we discussed it together in Oxford.

I will here indicate a few features which need explanation:-

p. 4. The map illustrating our joint paper in the Annals of Eugenics 1940 will do perfectly here: all that is needed is to redraw the boundaries of areas, which I will do.

p. 9. Fig. 2 is the graph which you drew, illustrating the highly curious distribution of spots for the two sexes. Do you feel that the two should be superimposed, as here, or drawn as two graphs?

p. 13. I am not sure how much explanation of the numerical analysis you think necessary and how much can be left with a reference to our dominula paper. But may I leave this in your hands to deal with? I imagine that the sets of

Sent herewith,

calculations, will need but little adjustment. These are:-
 the calculations on one sheet (marked in red "A") in which
 the totals for the 3 areas are derived, the sexes not-
 being distinguished. The calculation for σ^2 of q Area I
 (marked in red "B"), and the ~~other~~ calculations for
 σ^2 of q in Areas III and V on the large sheet
 (marked in red "C"). You may remember that we
 had to recalculate the results for Area I which
 appear on this sheet, substituting for them the results
 on sheet "B".

After p. 13 I have put numbers in pencil
 as a guide to order. These typescript numbers will,
 of course, be subject to adjustment - depending on
 how many ~~page~~ pages the mathematical
 explanations following p. 13 may require.

B. 14 . A brief note is needed here on
 the question of how large a total population
 in each area may be assumed from the
 daily estimates. On it may come in with the calculations ^{+++"} so that
 you ~~scrap~~ this page.

After p. 13 I leave blank the numbers

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the two
of ~~any~~ further Tables, as I am not sure how many
Tables there may be in the mathematical analysis.

The Discussion, like all else, is only
for your consideration, but this is especially tentative.

For I had not realized until I considered % Survival
compared with Expectation (Table on p. 15) that
a difficulty the ϕ 's are. I had thought that
Survival was better among the σ 's in Areas I &
III than in Area V (as it is), and that the ϕ 's
survived better in the small Area V (whereas they
they are intermediate in this respect between the
other two). I don't see we can really get
much light on the meaning of that until we
can compare other species: preferably one in which
the numbers in a very small colony (compared
with a big) are considerably less than in
the small Area V here. You may well feel
that I have said is too tentative and not
worth saying. Do please scrap or alter it at your discretion.

Now in regard to other work. I
have other interesting data to bother you with!

Here are the 1947 results on the Common Blue
 (which may supply the comparison in regard to
 large and small areas that we need). Also the
 comparison between variability on the mainland
 and that on the islands. You may remember
 you particularly asked if any data on that-
 point existed and, to my joy, I could tell
 you that we had collected it.

Then there is Shepherd who
 worked at dominula last July, helping to obtain
 the samples. You may remember you met him.
 He seems to me a very good man (and I
 think you formed a good opinion of him). He
 has got some interesting results which I
 think are worth considering, and I know he
 would be indeed grateful for your views.

All these points make me
 particularly anxious to see you. I remember
 you so kindly suggested that I should come
 over to Cambridge for a night, so that-

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We can discuss date together. I wonder if by any chance a date during the week after next - (15th) would be possible for you?

Dordestelle is coming here on the Friday of that week (so that - any time during the first - 4 days ^{15th to 18th} would be possible for me). I suggest this as it would be nice to have discussed the Team results with you and be able to tell him of it. But - if that week does not suit you, I could come later.

Thank you, my dear Ron, for all your splendid interest - in these data.

Yours ever,
A. S. Murray