

22 Newton Place
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February 14, 1940

Dear Riddell,

I have been looking at the proofs of your paper on brittle bones, and see there is no pedigree chart. I had forgotten it if we decided to leave it out altogether, as we might well have done in view of the size to which it was growing.

For compactness the concentric type of pedigree chart has a good deal to recommend it, and might supply what is needed here. At my suggestion, Mr Maung, a Burman now working with the Galton Laboratory, has prepared the enclosed with a view to seeing how your material stood this sort of treatment.

I imagine that you would like, if a chart were feasible, to get on to it (a) all individuals appearing in table 2, and
(b) all individuals appearing in the blue sclerotic line, meaning by this the blue sclerotics themselves and their wives, husbands, or children. I think what Maung has done shows that an easily intelligible record of the connections between all persons in these two groups could be given on a chart which a single page of the Annals would accommodate.

In redrawing the chart I should certainly make the circle for generation IV considerably bigger relative to V. I should draw circles and squares as they are drawn here, radially, but have reference numbers all oriented so as to be upright when a page is the right way up. If the still-born and died young are included at all, it must be with some representation which does not suggest that they were sclerotics. I see no advantage in including them in such a key chart.

Drawing the chart has also had the advantage of calling attention to some difficulties and ambiguities about family Q. On page 2, generation V is said to have 4 blue sclerotics, but only 3 are specified as such on p.9. Page 2 says that ~~one son~~ ^{living} and a daughter ~~five~~ in Canada are reported to have blue sclerotics, so that possibly Isaiah is the son so reported. On the chance of it saving you time, I enclose a slip with the seven surviving children of this family classified according to normality, residence and sex, following the account on p.9.

Let me know if you think of including a chart, which should be prepared at once if you would like to have one, and which would, I think, make the relationships easier to trace by anyone studying your paper at all thoroughly.

Yours sincerely,