My dear sister,

I got back here last night and have written to Professor Moir (Professor of Obstetrics and Gynaecology) to arrange a meeting to discuss our blood-group problem. You may remember that Dr. Le Gros Clark had seen him, as he is his judgement one of those most likely to be able to give practical help. Le Gros Clark asked me to get into touch with Moir on my return.

Yes, the existence of increased antibody content in certain pregnancies is a most important fact. I am so glad that it has been demonstrated when it was, as you say, to be anticipated. I do so strongly agree that all these polymorphisms, for such they must surely be, (the A/B and M/N series, the Rh factor and the Secundary factor and, no doubt, others), present a most complex picture. There may well be all sorts of inter-adjustments, and such equilibria have long been maintained.

Considering the secondary factor, I feel a
little suspicions of the very different quantities in which the antijens occur in the various secretions: in saliva, in digestive juices, and in semen, in much higher lever concentrations relatively than in the respiratory; in other secretions (e.g. tears and urine) in very small quantities only. It is perhaps worth wondering whether or not the evidence of selection here. Of course there may be some fluid mechanical explanation, but I feel suspicions. One notices, in general, high concentrations in those fluids which must largely be reabsorbed or in which loss must be negligible though small quantity and rarity of production (e.g. semen). For the loss of eye moisture ("tears") through the nose (via the duct from the eye to the nose) may not be negligible. The complete absence of antijens in cerebral spinal fluid is quite another problem. For we are dealing with a secretion (by gland cells), which is not involved in the production of cerebral spinal fluid. Hence, I am quite easily what cross my mind: there may be nothing in X

* or rather, is not a problem.*
this.

I find some people who have just begun to think of polymorphism as a balance of selective agencies, involving an equilibrium, are surprised by the very different values of the A, B series in different human races. As I mentioned in That little book of mine, now in press, I don't see much difficulty myself. There must be a fair amount of genetic difference between the races of the human races, and I cannot see it being remarkable that the 'internal environments' which they provide should maintain different optimum requirements.

I hope you can get away for a change after the New Year. The zoo is settled. How nice it would have been if he could have gone and done a little work here somewhere! But I am kept busy now, except for short visits, for the Oxford term begins this week-end. Mind you keep clean this time for a visit down in July to see Callimorphos, by The
pray! I will let you know how I get on wi' producing the blood-spur material which we so much want. You can rely on me to do all I can.

Best love wishes to Ruth,

Ever yours,

[Signature]