My dear Lawrence,

I have communicated my approval of your title to the Board of Research Studies, and perhaps they will next require it in writing.

I sent you the term in  $x^7$  in the expression for a, but I have not calculated the term in the same degree in the final expression for pN, which seems to me not urgent and certainly would be a chore. It would supply the third correction term to the variance of the fiducial distribution, which at present stands

angular Bayesian, the comparison being a sensible one because the means are obstinately the same to this degree of accuracy.

I see that the difference of these variances is not, as I had thought, in the first term  $\frac{1}{12N^2}$ , but rather  $\frac{1}{12N^2} - \frac{ab}{N^4}$ , which is positive and negative according to the magnitude of  $\frac{ab}{N^2}$ . I think, however, the only point of importance is that the variances

N3 - 6ab-N + 28ab-5N2 60ab-11N2

are different, even though, supposing the fiducial process were convergent, not for the distribution in general, which would seem impossible, but for certain parameters of the distribution, such as the mean, the means themselves do appear to agree.

Sieerely yours