28 July 1933.

Dr. J. Wishart,
School of Agriculture,
CAMBRIDGE.

Dear Wishart:

Thanks for your letter and notes on the table. I have been putting in some work on the 5% table, and have decided, probably quite unnecessarily, to work on a 7-figure table of the variance ratio, that is, seven decimal places for a framework, n_1 or n_2 = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 20, 30, 60; using the exact formulae, and not relying for this framework on any existing tables, as I know I had great difficulty in using the Incomplete Gamma owing to the wide intervals. Value 11 appears only as a check on the accuracy of the asymptotic interpolation. This programme may take some time and in view of holidays, I may well finish it at University College.

I wonder if the difficulty in the column $n_1 = 1$ is possibly that the previous figures are more accurate than the interpolates, for interpolation on 24 for n_2 is certainly not good to the seventh decimal. My previous tables were intended specifically to make sure of 4-figure accuracy in the published values of z,

but for the many transformations of this table, it will be certainly worth while to have the three or four extra values accurate. Would you care to co-operate by doing the like for the 1% table? I am enclosing rough copy herewith.

Yours sincerely,