

13th October, 1955.

My dear Frank,

Quite a long while ago I sent George Barnard a note on Pearson and Hartley's table 11, and he has taken some time to ~~plough~~^{mull} over it, and perhaps has not yet sent you the copy I sent him. Anyway, enclosed is a more complete copy, with various corrections and additions in ~~a~~^{the} form in which I should, at present, be inclined to print it. Together with this I am sending a letter from George Barnard, written yesterday, and a copy of my reply. This interchange may be useful as a means of getting the point of the problem clearly realized. I think George shows some confusion on his second page, for in the case of Behrens' values as against Welch's, so far as I know both are aiming to test the significance of the same hypothesis, and both are using to that end identically the same statistic. They differ only in respect of the sampling distribution of that statistic which is regarded as relevant for testing the hypothesis.

However, confusion is to be expected, for in the course of time every sort of lunacy has been written about this problem.

Could you send me back the copy of my note that I am herewith enclosing, including the diagram? I have other copies of George's letter and my reply.

Sincerely yours,

Encs.