15th March, 1956.

Dear Mr. Dunn,

It is evidently no use proceeding further with the questions you raised in your previous letter.

The results of Welch's method, as published by Pearson and Hartley, are of course grossly inaccurate, for they do not use Behrens' solution but a method derived from Pearson and Neyman's theory of testing hypotheses. With them, "significant" results appear much more often than they should.

Your matter cannot be urgent if you are contemplating waiting for your firm to acquire an electronic computor during the next few years. There are several such computors in the country already at work.

I am a little surprised that you do not suggest using four or six plants in each sample instead of five, so as to get an accurate test during the period when a test for the former is available and not for the latter.

The process mentioned in your third paragraph of ceasing to enumerate "as soon as either the significance is established or

not established", suggests to me that you are carrying labour-saving rather far.

Sincerely yours,