Nov 15, 1950

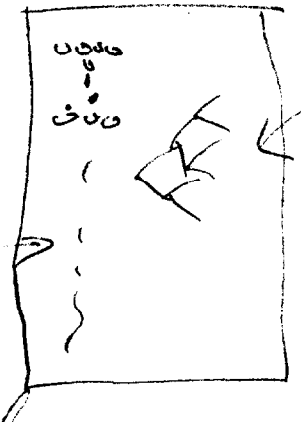
Dear Josh,

You likely are completely disgusted by now and I couldn't really blame you.

Enclosed you will find the two manuscripts upon which I really did very little work.

Is the picture of the setup good enough? You may keep that print if you wish to.

The figure for the technique ditty is essentially as follows:



I have the figure drawn in india ink and planned to send it along to the journal instead of a photographic copy of it.

As for the joint one, is it necessary to have the two, i.e. both C of 2-21 and e1 of 2-5, uncountfull pedigrees on the figure along with G of 2-5 which shows segregation. I think either C or e1 along with the G series might be sufficient. I believe it would be difficult to get all three on the same figure.

If you will let me know on this, I will draw up the figure and send along. I plan to show the numbers in regular pedigree form etc with the terminal cells being classified as D, H, I = Diploid ---, Haploid ---, Inviable ---. This latter because these K+E lettering sets have no provision for drawing squares etc. The pedigrees in your original sketch of the figure are O.K. except that in G of 2-5-50, the relationships of 51, 52, 53, 54 are uncertain. That is, all were derived from 12 but I don't know for sure

that cell 52 was actually the sib of cell 51 and not of 53 or 54. I do know 103-110 accurately from their parents as labelled. I really don't think this matters.

My only other comment is that we might emphasize a little more that individual cells possess the genetic potentialities of the two parent strains, which occasionally separate or segregate, as for example in pedigree G, and that, while no one has yet demonstrated cell fusion between the parent strains, these critical observations of the inverse process render it very unlikely that such fusion does not occur. I was unable to write a decent paragraph in this vein but I have the feeling that we could be a little more emphatic.

Let me know re. the figure & I'll get it done. I could send them on up and you could send the things on to Sherman - it really doesn't matter on this.

Obviously, I haven't been able to do anything with the bugs. Things are clearing up a bit though and I am hopeful.

I am anxious to get your contract application as (1) this would be the best excuse for visiting Madison, and (2) AEC would like to support part of your work and (3) it might help you remain out of the clutches of Uncle Sam.

Sorry to have been so dam slow but life has been anything but dull lately. Looks like next full term before I go back to I thence full time, half time next spring, AEC during the summer.

Best wishes to you both

Max