

ISTITUTO SIEROTERAPICO MILANESE

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Direzione Scientifica

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My dear Professor,

I was sorry to hear that Cynthia has left; it is certainly a loss for the Department, and at the same time her work in Africa is not likely to be as efficient as it could have been in Cambridge. I hope the bacteriological lab will soon have some new guests and that the genetics of coli will not be discontinued; I wish I could come there at least for some more months and have been wishing this possibility. Unfortunately I had to realise once more that the increased size of the family and the work here, which is becoming absorbing, have entirely checked my possibilities of movement for some years ahead. Therefore I have written a letter of resignation to the Secretary of the General Board. In spite of this I hope you will accept me as an occasional short-time guest at Whittingehame Lodge in the future; ^{as I should like to bottle there} whenever I shall have opportunities for the journey.

Next week Vaccaro and I should write a paper on the present state of the calorimysetin work, which I am thinking of leaving aside for the year just started. The evidence accumulated in favor of polygenes seems enough to make it worth publishing a paper with some of the details about it. I have now set down to try and get the necessary strains for a critical examination of the "un-mappable region" of the λ -12 chromosome by crosses in all phases of coupling and repulsion for three or four markers. The last two attempts ^{work} have been rather disappointing, because very often strains that should cross, on paper, when obtained do not cross at all, or show complications due to modifiers or, perhaps, ~~1-4-~~

instability of the chromosome structure. If ever this work comes to an end I shall have to beg your help, to get something ^{out} of the numerical results.

I was astonished by the amounts of viability differences found by Wiley. I have dropped virus markers on consideration of his results.

Yours sincerely

Cavalli -