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Dear Joshua:


I am very sorry that you cannot come. I hope, however, that you may later *decide* ~~find~~ to come here to the symposium even if you do not participate as one of the speaker. I would appreciate very much to see you here at least as a discutant.

Thank you for the address of Nossal. I wrote him a second letter, but have no answer yet.

We seem to agree on persistence of Ag, Ab or AgAb complexes. The problem of the number of antibody ~~pattern~~s is certainly of crucial importance. I once calculated that 3-4 amino acid residues cannot form more than about  $10^4$  combinations. Linus Pauling objected to this by claiming that each of the triades or tetrades could exist in many different conformations. This would result in about  $10^6$  rather than  $10^4$  "ANTI" patterns. I see no way how to prove or disprove Pauling. It may just as well be that three given residues would always arrange in a unique spatial conformation. Then my estimate would be better than that of Linus.

Hoping to see you either here or at some other national meeting, I am,

sincerely yours

  
Felix Haurowitz