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1333 EAST TENTH AVENUE
DENVER, COLORADO

Oct. 24-41

Dear Michael,

At last I have had time to read & study your wonderful papers — of course I don't grasp all of it but what I do get seems true a thrilling story —

I want to ask you one or two questions — Is it not true that Pauling's idea was of a very simple — physical change from normal to antibody globulin — just

a bending at the two ends of a chain — whereas your concept involves a more fundamental chemical change at several points in the molecule — (2) Doesn't your concept stress more than the element of time necessary for the cells to elaborate the multivalent effective antibody — that is to say the low grade-univalent antibody might be the first-

attempt of the cell & the multivalent the further evolution of the process —
(3) Does the presence of actin complement give a more effective antigen-antibody reaction — that is is complement a physical part of the mechanism — or just an epiphenomenon — These will all seem pretty stupid questions to you — at any rate I seem vaguely to desire what a sounder field for further

Experimentation your quantitative methods have opened up — I sent "Fess" perfectly delighted.

I have been asked by the medical school here to give a little talk about the cellular end of the work — and I am in forty minds whether to try it or not — and if I do whether to wait until I have been East again and talked things over with you — I shall be on as usual in January for I am to be on the Guggenheim once more — I that that this year

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In Mar would invite Miss Nicholson
since she is in New York instead
of me —
I keep on agonizing on the
war — with short intervals of
respite — for one cannot —
keep up the tension constantly —
It was pretty bad a few days
ago when it seemed as if
Moscow was to fall soon —
but now the Russians seem
to be holding and winter will
soon help — I have very great

faith in the English — I have
read this new collection
of Hitler's addresses — I think
it a more important book
from the standpoint of
understanding him than
Mein Kampf — I wonder when
Galantieres book on the Germans
is coming out —
I hope that Hanna is quite
well again & send her &
Nina my love —
With many thanks
Florence