

THE UNIVERSITY OF NEBRASKA
LINCOLN 8, NEBRASKA

INSTITUTE FOR CELLULAR RESEARCH

October 5, 1962

Dr. Robert C. Hockett
Associate Scientific Director
Tobacco Industry Research Committee
150 East Forty-second Street
New York 17, New York

Dear Dr. Hockett:

I am enclosing an application to the Tobacco Industry Research Committee for funds with which we can study effects (other than toxic effects) of various smoke constituents on several established cell lines. I think it would be most interesting and certainly any information we might gain would be extremely valuable in reference to changes in cellular characteristics. You will note that we wish to investigate chromosomal variations, if any, and ascertain the differences in degree of glycolysis and respiration that may develop under the conditions of the experiment.

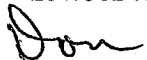
You will shortly receive a progress report on the work that has been done during the past year.

Another project we should probably consider, if this has not already been done by others, concerns various agents applied to tobacco plants in the form of sprays. I believe we spoke briefly on this subject some time ago and we agreed that a project of this type would involve others, since we would not have the means for cultivating and treating the plants. Also there is the possibility of observing the effects of the known constituents of the sprays without waiting for an analysis of the treated plants themselves. However, it would be necessary to know what constituents remain on the leaves by the time they are shredded and used in the cigarette. Actually, we should have information on the presence of any toxic materials (from the sprays) carried over in the smoke itself.

I would like very much to receive your thoughts on such a project. I think considerable information might be forthcoming if carried out properly.

I hope the Advisory Board can review the enclosed application soon. Our present grant runs out January 31 and naturally I would like to know the decision of the Board so that I may inform those who are working with me in the area supported by the grant.

Sincerely,



Donald M. Pace
Director

DMP:db
Enclosure