

February 11th, 1964

Dr. F. Homburger
Bio-Research Consultants, Inc.
9 Commercial Avenue
Cambridge 41, Mass.

Dear Dr. Homburger:

Referring to Item 3 in your letter to us of January 24th, 1964, we presume that you are currently working on a new method of measuring ciliary activity in the clam involving the moving dye boundary or frontier technique. When you feel that this method has been properly standardized you intend to evaluate the effects of formic, acetic and propionic acids on the cilia. To guide you in this respect, we wish to inform you that formic, acetic and propionic acids exist in the smoke from a non-filtered 85 mm. cigarette in the amounts of .61, 1.8 and .18 mgs. respectively. Furthermore, Dr. Schultz has found by his clam technique that the cilia stopped beating in approximately thirty seconds when formic, acetic and propionic acids are present in the following concentrations respectively: 1.07, 2.63 and 5.36 micromoles per millimeter. We hope that this information will be helpful when you are ready to begin your evaluations.

We are still waiting for your report on the skin painting study designated C-140.

From your recent phone call we recognize that you will not be able to start another promoter experiment until approximately April 1st; therefore, our laboratory is currently deciding on the materials to be furnished for this experiment and soon will begin to acquire such materials so that they will be in your hands at the proper time.

Very truly yours,

HBP:SS

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