April 11, 1952

Mr. Roscoe R. Braham, Jr.
Senior Meteorologist
Chicago Midway Laboratories
The University of Chicago
Chicago 37, Illinois

Dear Mr. Braham:

I am very glad indeed to send you such information as we have on the general subject of air pollution as we have encountered this problem. However, I think it well to advise you that our approach to this problem has had very little to do with meteorology, although in one or two studies which we have conducted, we have had the advantage of some collaboration with a competent meteorologist. Our concern, up to the present time, insofar as it has been expressed in actual observations, has had to do with the chemical composition of materials in the atmosphere. We began some work along this line a number of years ago, particularly in connection with the sources and quantities of lead compounds in the atmosphere under a variety of conditions. It seemed wasteful at that time to collect samples over a considerable area and to analyse them only for lead, and therefore we hunched a little on the job, and conducted quite a series of analyses in order to gather more comprehensive information. At no time have we had an opportunity to engage in a study of the effects of air pollution on populations. All that we know about that has come from our animal experimentation and from clinical observations on industrial employees, whose exposure is of a different order of magnitude in many, if not in most, instances.

In the near future we hope to be able to embark on a systematic study of the atmospheric contents and of the physiologic effects. The methods for such studies are, insofar as observations on populations are concerned, are undeveloped, and it will take a considerable amount of time and effort, we believe, to develop any information that will be very useful. From the meteorologic point of view, we are at a disadvantage in that we do not have a trained person of this type on our staff, nor are we in position, at present, to engage the services of such a person. It is my own feeling that systematic meteorologic investigations should be carried out, but I am afraid it will be a good while before we have any opportunity to do this kind of work within our own group. On the whole, I am afraid that you will find that our observations are rather fragmentary and are in a rather limited field, in relation to your own interests. However, such information as we have in printed form is being sent to you. Unfortunately, some reports of some detailed observations in certain areas are not available for distribution, and probably will not be for some time, not so much because they are confidential, as because

we do not have the means of printing and distributing them.

Cordially yours,

Robert A. Kehoe, M. D.

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Collection and Analysis of Solids in Urban Atmospheres - Cholak, Schafer and Hoffer
Air Pollution and Community Health - Kehoe

P. S. Our observations in Donora have not been published. They are not remarkably different from those of the U. S. Public Health Service.

R.A.K.

CHICAGO MIDWAY LABORATORIES
THE UNIVERSITY OF CHICAGO
CHICAGO 37 • ILLINOIS

6040 South Greenwood Avenue
March 7, 1952

Dr. Robert A. Kehoe
Kettering Laboratory of Applied Physiology
Cincinnati, Ohio

Dear Dr. Kehoe:

The Chicago Midway Laboratories, under military sponsorship, is undertaking basic research in problems of cloud physics as affected by atmospheric pollution.

A study of the program of the U. S. Technical Conference on Air Pollution shows that your work is very pertinent to this field, and I would appreciate receiving any reprints or references you may have along these lines. Papers dealing with atmospheric contamination and its consequences, instrument and technique for a pollution study, aerosols and particle physics would be particularly useful.

Any attention you can give this matter would be greatly appreciated.

Very truly yours,

Roscoe R. Braham

Roscoe R. Braham, Jr.
Senior Meteorologist

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Mrs Campbell will furnish reprints as requested

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