



IN REPLYING, ADDRESS THE
Industrial Hygiene Research
Laboratory

FEDERAL SECURITY AGENCY
U. S. PUBLIC HEALTH SERVICE

NATIONAL INSTITUTE OF HEALTH

BETHESDA 14, MARYLAND



December 10, 1945

Dr. Robert A. Kehoe
Kettering Laboratory of Applied Physiology
University of Cincinnati
Cincinnati 19, Ohio

Dear Bob:

This will reply to your two letters of November 9, 1945, which we discussed at the recent meeting of the ASA Subcommittee in New York.

With regard to the possible visit of Mr. R. P. Lowe of Proportioneers, Inc., I shall be very pleased to discuss any matter he has in mind with regard to the use of DDT as an insecticide.

I am attaching a copy of a letter I sent to Dr. Patty listing proposed papers personnel from this Laboratory could present at the coming meetings of the various Industrial Hygiene Associations in April. You will note that neither DDT nor xylidine were mentioned as topics. As I informed you at the ASA meeting, we are now engaged in compiling as one bulletin all the work we did on xylidine. When this is completed we propose to ask for clearance for publication as a Public Health Bulletin. As you are aware, several of the professional personnel of different disciplines were engaged in this study. Therefore, it takes considerable time to correlate all the information into one bulletin. The condensation of all of our material into one short paper for presentation would be rather a difficult job, but still more difficult would be fairly establishing the authorship problem (with which I imagine you have had some experience). However, some member of our group could present and discuss our findings in the discussion of your paper.

Kindest personal regards,

Sincerely yours,

Paul A. Neal, Medical Director
Chief, Industrial Hygiene Research Laboratory

PAN:clb
Attachment

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NATIONAL INSTITUTE OF HEALTH

Industrial Hygiene Research
Laboratory

Building 14, Bethesda

November 6, 1945

Dr. F. A. Patty
Chairman, Program Committee
American Industrial Hygiene Association
General Motors Corporation
485 N. Milwaukee Avenue
Detroit 2, Michigan

Dear Dr. Patty:

This will acknowledge your letter of October 30, 1945, asking for suggestions for the program for the next convention of the American Industrial Hygiene Association to be held jointly with the American Association of Industrial Physicians and Surgeons, The National Conference of Governmental Industrial Hygienists, The Industrial Nurses, and Industrial Dentists, at the Hotel Sherman, Chicago, April 3th to April 13th, 1946.

I have discussed your letter with several of my colleagues in the Laboratory and I am giving below several papers which could be presented on work of this Laboratory if you so desire:

- (1) "Toxicity and Potential Dangers of Ethylene Dichloride," by P. A. Surgeon Leon A. Heppel.

There has been a great increase in the use of ethylene dichloride both from the usual industrial standpoint, as well as an insecticide. The toxicity and potential dangers of ethylene dichloride to several species of animals following long continued exposure is discussed.

- (2) "Polyneuritic Syndrome in Occupational Diseases," by P. A. Surgeon R. F. Sievers.

Neuritic manifestations are becoming more and more important among industrial workers who are potentially exposed to various chemicals. A general discussion of this is given as well as a recent study by this Laboratory on polyneuritis among employees in an arsenal.

- (3) "The Appraisal and Potential Dangers of Petroleum Solvents with Special Reference to Particle Size," by Pharmacologist Joseph L. Svirbely.

The increased supply of certain hydrocarbon mixtures resulting from the cracking of high octane gasoline has made such

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materials available on a large scale. The toxicity and potential dangers of practically all of these have not hereto been reported. The use of such mixtures as solvents for DDT and other insecticides and their use as fine mist and aerosol poses a difficult toxicological problem.

- (4) "Volatile Hydrides of Toxicological Importance," by Biochemist Stewart H. Webster.

Methods of preparation, use or occurrence in industry, relationships between toxicological effects and chemical properties, acute vs. chronic effects, the hemolytic hydrides, minimal lethal dosages, volatile hydrides as problems in industrial toxicology.

- (5) "The Acute and Chronic Toxicity of Methyl Chloride for Laboratory Animals," by Physiologist W. W. Smith.

There has been a marked increase in the industrial uses of methyl chloride during the war. Sufficient information is not available in the literature to definitely define safe working conditions for methyl chloride. The results of a study extending over a period of about three years will be discussed.

- (6) "A Study of the Efficiency of Methods for Obtaining Vapor Samples in Air," by Scientist (Physicist) H. L. Andrews, Jr. Chemist Dorothy C. Peterson, and Associate Physicist William C. White.

Present day analytical procedures have an inherent accuracy considerably greater than that of the sampling methods. Ultraviolet spectroscopy and mass spectrometry have been used in the analysis of air samples containing benzene and various derivatives. The results of the measurements are analyzed in terms of the methods used to obtain the samples.

Sincerely yours,

Paul A. Neal
Paul A. Neal, Medical Director

Chief, Industrial Hygiene Research Laboratory

PAN:clb

CC: Dr. Townsend
Mr. Bloomfield

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