

LEAD INDUSTRIES ASSOCIATION

480 LEXINGTON AVENUE

NEW YORK 17, N. Y.

September 21, 1955

LEAD HYGIENE and
SAFETY BULLETIN
No. 117

To the Members of the Lead Industries Association:

"The Lead Problem in Industry"

As will be noted from the enclosed program, the Institute of Industrial Health of the University of Cincinnati will sponsor a Postgraduate Course on Modern Considerations and Methods in Handling the Lead Problem in Industry, to be held at the Kettering Laboratory of that institution from November 7th to 11th, 1955. Such sponsorship is of itself an earnest of the quality of the instruction.

Mr. Ziegfeld will deliver an opening paper on "Industrial Importance and Uses of Lead." Mr. J. W. Hammond writes that his discussion will include information "relative to the saving through the use of lead base paints over other protective coatings," and correspondence with others indicates that, although it does not appear in the program, new and important data on the "EDFA" treatment of plumbism will be presented.

Information relative to registration, reservations, etc., will be found on the third page of the program.

"The Rocket's Green Glare"

Over the above caption, the September issue of National Safety News presents a cover picture of a singularly ingenious safety promotion device recently conceived and carried out by one of our member companies, described as follows:

"At Trail, B. C., during a recent month-long safety campaign The Consolidated Mining and Smelting Company of Canada, Limited, released a rocket at 9:30 each evening. A green burst signalled no disabling injury during the previous 24 hours. A red rocket indicated an accident."

Attention-provoking and indeed spectacular, and at the same time simple and inexpensive, this would appear to be a device well worthy of consideration by any plant so situated that it might be used.

Manfred Bowditch

Manfred Bowditch
Director of Health and Safety



UNIVERSITY OF CINCINNATI

THE INSTITUTE OF
INDUSTRIAL HEALTH

Announces

A Postgraduate Course

Modern Considerations and Methods
In Handling
The Lead Problem In Industry



November 7-11, 1955

presented by

*The Kettering Laboratory in the
Department of Preventive Medicine and Industrial Health
College of Medicine
University of Cincinnati*

OFFICERS OF INSTRUCTION

Guests

Roy C. A. Bock, M.D.	Chief Plant Physician, Ethyl Corporation, Baton Rouge, Louisiana.
Lloyd E. Hamlin, M.D.	Medical Director, American Brake Shoe Co., Chicago, Illinois.
James W. Hammond	Industrial Hygienist, Humble Oil and Refining Co., Houston, Texas.
F. B. Landon, M.D.	Medical Director, Eastern Storage Battery Co., Philadelphia, Pennsylvania.
Frank McCoy	Superintendent, Tetraethyl Lead Operations, Ethyl Corporation, Baton Rouge, Louisiana.
Leslie Silverman, Sc.D.	Associate Professor of Industrial Hygiene, Harvard School of Public Health, Boston, Massachusetts.
Robert L. Ziegfeld	Secretary-Treasurer, Lead Industries Association, New York, N.Y.

Charles D. Aving, M.D.	Professor of Neurology, College of Medicine, University of Cincinnati.
Jacob Chodak, Ch.E.	Associate Professor of Industrial Health, College of Medicine, University of Cincinnati.
Frank P. Cleveland, M.D.	Assistant Professor of Industrial Health and Pathology, College of Medicine, University of Cincinnati.
Richard Conway, LL.B.	Assistant Professor of Law, College of Law, University of Cincinnati.
Robert A. Kohn, M.D.	Professor of Industrial Medicine, Director, Department of Preventive Medicine and Industrial Health, Director, Kettering Laboratory, and Director, Institute of Industrial Health, College of Medicine, University of Cincinnati.
Karl V. Koseroff, M.D.	Assistant Professor of Industrial Medicine, College of Medicine, University of Cincinnati.
W. Donald Ross, M.D.	Associate Professor of Psychiatry, College of Medicine, University of Cincinnati.
Leslie W. Sanders, M.D.	Assistant Professor of Industrial Medicine, College of Medicine, University of Cincinnati.
Harry C. Shirley, M.D.	Instructor in Pediatrics, College of Medicine, University of Cincinnati.
Hugo Smith, M.D.	Assistant Professor of Pediatrics, College of Medicine, University of Cincinnati.

OBJECTIVES

This course is designed to present the most recent information concerning the prevention and control of the lead problem in modern industry. In addition to general discussions, prevention, diagnosis and treatment will be presented in detail, particularly from the point of view of the practicing physician and industrial hygienist. New developments and concepts of industrial hygiene control and medical management will be presented.

REGISTRATION

Registration will be limited to 50 persons. Registration must be made in advance by mail and accompanied by the tuition fee of \$75.

Address communications to the Secretary, Institute of Industrial Health, College of Medicine, Cincinnati 19, Ohio (Telephone Capital 1-1414). Make checks payable to the Kettering Laboratory.

Hotel Reservations

It is suggested that applicants make their own hotel reservations as early as possible. The following hotels are recommended:

Downtown Area

Sherron-Gibson Hotel	_____	Fifth and Walnut
Hotel Metropole	_____	Sixth and Walnut
Netherland Plaza Hotel	_____	Fifth and Race
Hotel Luton	_____	Fourth and Vine
Tuxedo Plaza Hotel	_____	Seventh and Race

West University

Alma Hotel	_____	Victory Parkway and McMillan
Yvonne Manor Hotel	_____	Oak and Bucquet

PROGRAM

MONDAY, NOVEMBER 7

INTRODUCTION AND BACKGROUND

9:30 Registration

10:00 Introduction _____ Dr. Kehoe

11:00 Industrial Importance and Uses of Lead _____ Mr. Ziegfeld

12:00 Lunch

2:00 Distribution of Lead in Nature (Soil, Water,
Food and Air) _____ Dr. Kehoe3:00 Distribution of Lead in Nature (Animals and Man).
The Metabolism of Lead under Normal Conditions _____ Dr. Kehoe4:00 Abnormal Absorption of Lead. The Metabolism of
Lead under Conditions of Abnormal Exposure
and Absorption _____ Dr. Kehoe

TUESDAY, NOVEMBER 8

ANALYTICAL AND ENGINEERING

9:30 *Origin of Industrial Lead Hazards* Dr. Hamlin10:30 *Plant Survey by Engineering Techniques* Dr. Silverman11:30 *Plant Survey by Medical Techniques* Dr. Lanahan12:30 *Lunch*2:00 *Analytical Techniques for Environmental and
Medical Surveys* Mr. Cholak3:00 *Control of the Industrial Environment* Dr. Silverman4:00 *Demonstration of Equipment and Data* Mr. Cholak
Discussion — led by Dr. Kehoe

WEDNESDAY, NOVEMBER 9

CLINICAL MEDICINE

Inorganic Lead Intoxication

9:30 *Safe versus Dangerous Absorption of Lead —
Physiologic Limits. Relation to Diagnosis* Dr. Kehoe

10:30 *Clinical Diagnosis and Treatment of Lead Poisoning
in the Adult and the Child. Symposium* Dr. Shirley
..... Dr. Smith

12:30 Lunch

2:00 *Techniques in the Diagnosis of Central and Peripheral
Nerve Lesions* Dr. Aring

2:50 *Pathologic Physiology* Dr. Cleveland

3:30 *Hematology — Macroscopic and Chemical* Dr. Kittmiller

4:00 *Demonstration (Experimental Techniques (Human
Subjects))* Dr. Kehoe

THURSDAY, NOVEMBER 10

CLINICAL MEDICINE

Tetraethyl Lead Intoxication

9:30 *Brief Reviews of Toxicology of Tetraethyl Lead* Dr. Kehoe

10:00 *Sources of Exposure to Tetraethyl Lead* Dr. Sanders

10:30 *The Clinical Syndrome and Its Therapy* Dr. Kitzmiller

11:30 *Methods of Environmental Control and the
Managerial Supervision of Personnel* Mr. McCoy

12:30 *Lunch*

2:00 *Methods of Medical Control and Supervision
of Personnel* Dr. Bock

3:00 *Development and Application of Medical Criteria for
the Safe Disposition of Exposed Personnel* Dr. Bock
Dr. Kehoe

FRIDAY, NOVEMBER 11

ECONOMIC AND LEGAL

9.00 Round Table Discussion:

to Economic Considerations in Lead Poisoning

11.00 a. Compensation costs—production losses

b. Costs of control procedures

c. Personal problems—wages, bargaining

Discussions: Dr. Ketch, Dr. Laoshan, Dr. Harlin and Mr. Hammond

11.00 Psychiatric Considerations _____ Dr. Ross

12.00 Lunch

2.00 Round Table Discussion:

to Medical-Legal Considerations in

3.30 Lead Poisoning _____ Mr. Conway