

R. L. Ziegfeld ✓

LEAD INDUSTRIES ASSOCIATION, INC.

202 MADISON AVENUE

NEW YORK, N. Y. 10017

TELEPHONE - AREA CODE 212

OR 2-6000

SUBJECT TO REVISION

THE L.I.A. - I.L.Z.R.O. HEALTH AND SAFETY COMMITTEE MEETING

MINUTES

Chippendale Room, Mezzanine, Chase-Park Plaza Hotel

St. Louis, Missouri

April 20, 1964

The meeting was called to order at 10:00 a.m. by Chairman Nelson. The new committee members and guests were introduced by the Chairman.

Those in attendance:

Committee Members

Kenneth W. Nelson
Kurt Raht

J. A. Taylor, M. D.
G. Roush, M. D.
Donald R. Diggs
H. E. Hesselberg

American Smelting and Refining Company
The Consolidated Mining & Smelting Company
of Canada Limited
Delco-Remy Division of General Motors Corp.
The Ethyl Corporation
E. I. du Pont de Nemours & Company
The Ethyl Corporation

Guests

Joseph G. Sevrick
R. Lewis Stubbs
G. J. Stoppe, M. D.

Paul V. Higgins
R. J. Hopkins

John Funnell

Elemer Varady

St. Joseph Lead Company
Lead Development Association
Haskell Laboratories, E. I. du Pont de
Nemours & Company
O. S. Tyson & Company
Broken Hill Associated Smelters Proprietary
Ltd.
Broken Hill Associated Smelters Proprietary
Ltd.
Istituto Italiano del Piombo e dello Zinco

Staff

Robert L. Ziegfeld
Don G. Fowler
Schrade F. Radtke
J. George Bilek

Lead Industries Association, Inc.
Lead Industries Association, Inc.
International Lead Zinc Research Organization
International Lead Zinc Research Organization

Agenda Item No. 1 - The Minutes of the previous meeting of October 25, 1963 were approved as received by mail.

Agenda Item No. 2 - Lettering Abstracts on Lead Toxicology - A discussion of the subject was held using as a basis the material sent to the members of the committee by the Secretary on January 7, 1964 plus a set of abstracts prepared



Look Ahead with Lead

LIA-ILZRO Health and Safety Committee Meeting Minutes

-2-

in card form by Mrs. Campbell of the Kettering Institute and covering the first three months of 1964. The discussion was lengthy and inconclusive and revolved around the following points:

1. Whether or not the abstracts in the form as received from the Kettering Laboratory should be disseminated by L.I.A.
2. Whether or not selected abstracts should be disseminated by L.I.A.
3. Whether or not all abstracts should be disseminated but in an edited form.
4. The question of audience to whom the abstracts should be sent was considered and discussion on this point was totally inconclusive. It was proposed for instance that industrial physicians, industrial hygienists, certain medical schools and certain hospitals should receive the abstracts from L.I.A. The estimate of the numbers involved if this method were used ran from four to six thousand sets in the U. S. alone. Other proposals were made to send sets only to members of the L.I.A.; to announce that the abstracts are available in the L.I.A. office and would be mailed on request; to select only those abstracts that could be interpreted favorably and make limited distributions; etc.

Mr. Stubbs of L.D.A. expressed the view that England is not ready for free and unequivocal distribution of abstracts and announced that his Association has recently started a limited distribution to members only of selected and edited health and safety abstracts.

Since no conclusions could be reached at the meeting, Chairman Nelson appointed a Subcommittee to resolve some of the questions and report back to the full committee. The Subcommittee members are Chairman, Dr. Taylor, and serving with him are Kurt Raht and Donald Diggs.

Agenda Item No. 3 - LC-86; Lead Glazes for Dinnerware - The proposal received from Rutgers University was distributed to the members at the meeting and a brief discussion ensued. It was pointed out that this subject had been discussed at the October meeting and approved in principle via a work statement and that the present proposal represents a firm commitment from the Contractor to carry out the work.

The proposal as received from Rutgers specifies a two-year span of activity representing a total cost of \$28,310 with the first year's expenditure representing a total of \$13,954. The U. S. Pottery Association will appropriate one-half of the amount and join with us in the sponsorship of the program thus bringing our first year's commitment to \$6,977. Since ILZRO operates on a year-to-year basis we are voting on a single year's appropriation.

Vote

Yes - 6

No - 0

Agenda Item No. 4 - Harvard Research into the Fundamentals of Lead Metabolism - The Secretary reported on a visit to the Biophysics Research Laboratory of the

LIA-ILZRO Health and Safety Committee Meeting Minutes

-3-

Harvard Medical School of which Dr. Burt Vallee is Director and of Dr. Vallee's intention to engage in a unit of fundamental research for us if we so desire, and if a satisfactory research program can be outlined. The outline of the research program as submitted by Dr. Vallee will be sent by mail to Committee members as soon as it is received.

Members will remember the discussion held at our October Committee meeting in which it was pointed out that Dr. Vallee has been engaged for some time on several avenues of approach to the investigation of the effect of trace metals in human physiology. We feel and hope that his methods of investigation will advance our knowledge of lead in human physiology with the ultimate result of explanations of some of the anomalies and difficult to explain facts, such as high bloods and low urines in the same patient at the same time and vice versa, will be obtained.

Agenda Item No. 5 - Toxicity Study of Ingested Paint Film - This project had been approved by our Committee in October but had been voted down by the Technical Steering Committee at its Fall Budget Meeting. A reaffirmation of our interest in the subject was expressed and it was agreed that the proposal would be resubmitted to the Technical Steering Committee in order to get work started on the project as soon as possible. Mr. Hopkins and Mr. Funnell expressed interest in the project; and recent British experience of adverse publicity regarding children's poisoning was brought into the discussion.

Agenda Item No. 6 - Lead Information Program; O. S. Tyson and Company, Inc. - A review of the outline prepared for a first publication under this program was conducted at the meeting. Copies of this outline were distributed to members present. Several suggestions and comments were made to Mr. Higgins and these will be incorporated in the first draft of a booklet tentatively entitled "Facts About Lead Toxicology". This draft should be ready shortly and will be circulated in draft form to the Committee members for their comments and criticism.

Agenda Item No. 7 - LC-79; Toxicity Testing for Organolead Compounds - There is nothing to report on this project as yet but it is expected that the first batch of compounds will be submitted for tests soon.

Agenda Item No. 8 - LC-75; Human Exposure to Ambient Air Concentrations of Particulate Lead; Mettling Laboratory - A progress report on this project was read and reviewed at the meeting. Copies of this report will be submitted to the members of the Committee for their own use only.

NOTE - IT IS EXTREMELY IMPORTANT THAT NONE OF THE NUMBERS MENTIONED BY DR. KENOE IN THIS REPORT BE RELEASED OUTSIDE OF OUR COMMITTEE AT THIS TIME. NO ONE WHO IS NOT A MEMBER OF THIS COMMITTEE WILL RECEIVE THIS REPORT, WHICH IT IS EMPHASIZED IS MERELY A PROGRESS REPORT. THE FINAL REPORT WHEN ISSUED WILL CONTAIN A FULL DISCUSSION AND A FULL INTERPRETATION OF THE FACTS. PLEASE ADHERE TO THIS RULE.

LIA-ILZRO Health and Safety Committee Meeting Minutes

-4-

Agenda Item No. 9 - LC-69; Characteristics of Atmospheric Lead Aerosols; Stanford Research Institute - Mr. Diggs reported that the field sampling under this contract had been completed with atmospheric studies of lead in Chicago, Cincinnati, and Philadelphia. Results will be reported as soon as they are received from Stanford.

Agenda Item No. 10 - LC-76; The Testing of Organolead Compounds for Possible Endocrinological and Anti-Mammary Tumor Activity; Worcester Foundation - At our October meeting it was reported that Dr. Dorfman had made an interesting discovery using an organolead compound as a replacement for one of the active hormones. Rechecking of the experimental results is now being carried on and it is expected that if the retesting bears out the initial favorable response a paper will be written and published.

Agenda Item No. 11 - Statistical Analysis of Former Lead Poisoning Cases in the State of Utah - Mr. Nelson reported that this study of a reservoir of former poisoning cases by means of patient's available hospital records will be made by the U. S. Public Health Service. Apparently the study has not as yet been started but is in the planning stage and Mr. Nelson will be a member of the planning committee.

Agenda Item No. 12 - Lead Poisoning in Wildfowl - Reprints of current news-clippings regarding this problem were distributed at the meeting and discussed by the members. Since lead shot represents a market of more than fifty thousand tons per year in the U. S. anything that threatens this market is of interest to our industry, and there is now a strong movement afoot on the part of conservationists and government wildlife authorities to declare lead shot illegal and approve only iron shot for duck hunting. The reason advanced by government wildfowl experts for banning lead shot is that the large amount of shot which remains on water course bottoms offers opportunity for ducks to ingest lead and become poisoned. The problem is a difficult one for our industry and further investigation will be made by the Secretary to determine whether or not action is warranted and what the nature of the action should be, if any.

Agenda Item No. 13 - Other Business - Mr. Diggs requested that the project submitted by the New York Medical College under UIC-14, "The Radioprotective Effects of Inorganic Lead", which was approved by our Committee in October and failed to pass the Budget Meeting of the Technical Steering Committee in the Fall be resubmitted. His company is definitely interested in having the study made for its potential addition to knowledge of lead toxicology, and benefit to our industry. Mr. Diggs agreed to work on a statement in support of this project with a view to resubmitting the project to the necessary Budget Committees. There was general assent for this at the meeting.

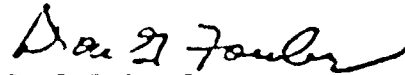
The interest in the subject of lead hygiene problems expressed by our guests from abroad was high and all reported that there appears to be increasing activity on the part of government and other health agencies on the subject. Mr. Varady reported that in Italy there is now considerable public discussion favoring the complete prohibition of lead in gasoline.

LIA-ILZRO Health and Safety Committee Meeting Minutes

-5-

The meeting was adjourned at 3:45 p.m.

Respectfully submitted,



Don G. Fowler, Secretary
Health and Safety Committee

DCF:md

cc: J. G. Sevicik
R. L. Stubbs
C. J. Stoppe, M.D.
P. V. Higgins
R. J. Hopkins
J. Funnell
E. Varady