

Mr. R. L. Ziegfeld

## INTERNATIONAL LEAD ZINC RESEARCH ORGANIZATION

888 MADISON AVENUE, NEW YORK 17, N. Y. GPO: 1964 O-0000

SCHRADE P. RADTKE  
DIRECTOR

### AGENDA

#### MEETING OF

#### LEAD HEALTH AND SAFETY COMMITTEE

60 East 42nd Street Club, New York 17, N.Y.

October 25, 1963

Agenda Item No. 1 -- Approval of minutes of previous meeting of February 28, 1963.

#### CONSIDERATION OF I.L.Z.R.O. PROJECTS:

Agenda Item No. 2 -- LC-79; Toxicity Testing For Organo-Lead Compounds; The Elme Laboratories, Inc. and Industrial Bio-Test Laboratories, Inc.

Agenda Item No. 3 -- ULC-14; The Radioprotective Effects of Inorganic Lead; New York Medical College.

Agenda Item No. 4 -- ULC-12; Lead Stabilized P.V.C. Pipe; National Sanitation Foundation.

Agenda Item No. 5 -- ULC-13; Lead Glasses for Dinnerware.

Agenda Item No. 6 -- ULC-15; Toxicity Study of Ingested Paint Film; Industrial Bio-Test Laboratories, Inc. and Industrial Hygiene Foundation of America, Inc.

Agenda Item No. 7 -- LC-75; Human Exposure to Ambient Air Concentrations of Particulate Lead; The Kettering Laboratory.

Agenda Item No. 8 -- LC-69; Characteristics of Atmospheric Lead Aerosols; Stanford Research Institute.

Agenda Item No. 9 -- LC-76; The Testing of Organolead Compounds for Possible Endocrinological and Anti-Mammary Tumor Activity; The Worcester Foundation.

#### HEALTH AND SAFETY ITEMS:

Agenda Item No. 1 -- Lead Information Program -- Glick and Lorvin, Inc.  
O.S. Tyson & Company, Inc.

Agenda Item No. 2 -- Cooperative study proposal, Industrial Hygiene Foundation of America.

Agenda Item No. 3 -- Other business.

ASSOCIATED WITH AMERICAN ZINC INSTITUTE, INC. / LEAD INDUSTRIES ASSOCIATION, INC.

Mr. R. L. Ziegfeld

SUBJECT TO REVISION② **INTERNATIONAL LEAD ZINC RESEARCH ORGANIZATION**

300 MADISON AVENUE, NEW YORK 17, N. Y. ORIGIN 0-0000

SCHRADE P. RADTKE  
DIRECTORTHE I.L.I.A.--I.L.Z.R.O. HEALTH AND SAFETY COMMITTEE MEETING  
MINUTES60 East Club  
New York City

October 25, 1963

The meeting was called to order by the Chairman, Mr. E. W. Nelson at 9:45 a.m.

PRESIDENTE. W. Nelson  
D. R. Diggs  
W. M. Pallies  
F. I. Worden  
H. E. NeesselbergREPRESENTINGAmerican Smelting and Refining Company  
E. I. du Pont de Nemours & Company  
The Electric Storage Battery Company  
Western Electric Corporation  
The Ethyl CorporationSTAFFR. L. Ziegfeld, Executive Vice President, Lead Industries Association, Inc.  
S. F. Radtke, Director, International Lead Zinc Research Organization  
D. G. Fowler, Director of Health and Safety, Lead Industries Association, Inc.GUEST

P. V. Higgins, C. S. Tyson and Company, Inc.

Note: One member voted on several of the proposals by letter.

Agenda Item No. 1 -- The Minutes of the previous meeting were approved as mailed.I.L.Z.R.O. PROPOSALSAgenda Item No. 2 -- KC-79: Toxicity Testing For Organo-Lead Compounds; The Fine Laboratories, Inc. and Industrial Bio-Test Laboratories, Inc.  
This project has been circulated by mail ballot.Approved  
\$10,000For  
9Against  
1Agenda Item No. 3 -- UIC-14: The Radioprotective Effects of Inorganic Lead; New York Medical College.  
Preliminary work by the New York Medical College indicates that this area of investigation shows good potential for finding a favorable use of lead in

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physiology and, as such, it is recommended for the good effect it would have in publicity to the medical profession.

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|-----------------|----------|----------|
| Approved        | For      | Against  |
| <u>\$10,094</u> | <u>5</u> | <u>1</u> |

Agenda Item No. 4 -- UIC-12; Lead Stabilized P.V.C. Pipe; National Sanitation Foundation.

There was general agreement that this particular project should be considered favorably, since it represents the filling of a gap in our knowledge, and since we have little choice if we wish to enter this market but to accumulate this type of fact. Your Secretary was directed to make certain that the Contractor uses the best available analytical techniques in trace lead analysis. Since this is a relatively large amount of money for a screening program, it was suggested that an attempt be made when the contract is written to reduce the amount.

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| Approved        | For      | Against  |
| <u>\$16,500</u> | <u>6</u> | <u>0</u> |

Agenda Item No. 5 -- UIC-13; Lead Glasses for Dinnerware; No Contractor.  
The Committee was unanimously in favor of this project which is planned to be jointly sponsored with the U. S. Potters' Association and other parties who are interested.

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| Approved        | For      | Against  |
| <u>\$12,500</u> | <u>6</u> | <u>0</u> |

Agenda Item No. 6 -- UIC-15; Toxicity Study of Ingested Paint Film; No Contractor.  
The National Paint, Varnish and Lacquer Association has indicated to us an interest in jointly sponsoring this program. It was pointed out that small animal toxicity studies represent the only analytical techniques that are available for this type of work, since the passage of the Federal Hazardous Substances Labeling Act requires that toxicity data be gathered in this manner. We expect to obtain a proposal from at least one other laboratory before obtaining Committee recommendation as to which laboratory to use.

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| Approved        | For      | Against  |
| <u>\$10,000</u> | <u>5</u> | <u>1</u> |

Agenda Item No. 7 -- IC-75; Human Exposure to Ambient Air Concentrations of Particulate Lead; The Kettering Laboratory.

The second phase of this study was started about four weeks ago and will use two men in exposure to low level amounts of lead as described in the Kettering Laboratories' Proposal. The amounts of lead will be progressively increased until a point is reached at which the risk appears unnecessarily great. Thus the termination of this project could be within one year if the risk point is reached in that time or longer if it is not.

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| Approved        | For      | Against  |
| <u>\$35,000</u> | <u>6</u> | <u>0</u> |

Agenda Item No. 8 -- IC-69; Characteristics of Atmospheric Lead Aerosols; Stanford Research Institute.

The proposal as received from Stanford contains three separate parts and, after considerable discussion, the Committee agreed to support only the first part. This is the part having to do with an extension of the particulate lead analysis to other geographic areas of the United States, specifically,

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Chicago, Philadelphia and Cincinnati. The Committee feels that this will represent at most four months' activity.

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| <u>Approved</u><br>\$8,000 | <u>For</u><br>6 | <u>Against</u><br>0 |
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Agenda Item No. 9 -- LC-76; The Testing of Organolead Compounds for Possible Embryological and Anti-Tumorigenic Activity; The Worcester Foundation. Since this is a long-term project involving highly complex areas of research and in which much effort is being made throughout the nation, the Committee felt satisfied with the present progress of the activity. The Committee recommends continued support of the project.

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| <u>Approved</u><br>\$11,250 | <u>For</u><br>6 | <u>Against</u><br>0 |
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Note: It was pointed out to the Committee that the four projects covered in this Catalog by work statements would all be re-circulated by mail ballot for further recommendation as to Contractors and project details.

Total budget recommended \$113,304.

HEALTH AND SAFETY ITEMS:

Agenda Item No. 1 -- Lead Information Program -- Glick and Loria, Inc. and O. S. Tyson and Company, Inc.

Earlier this year Glick and Loria, Inc., educational consultants, contacted us with a suggestion that we engage their firm to carry on a public relations campaign which would be designed to influence certain segments of the population in favor of lead. They had been previously engaged by the Manufacturing Chemists Association to combat unfavorable publicity arising out of Rachel Carson's book, "The Silent Spring" which publicity had had an adverse effect on pesticides and agricultural chemicals. We also contacted the L.I.A. advertising agency, O. S. Tyson and Company, Inc., and asked for their suggestions along this same line. A general discussion was held and the Committee agreed that the Glick and Loria approach was too ambitious and would probably be not as effective as one designed to reach only those groups such as industrial medical, industrial hygiene, public health personnel and so forth. It was brought up in the discussion that a program designed to reach newspaper and magazine editors indiscriminately would be too ambitious, too costly, and probably not effective enough to warrant the expense. The Committee unanimously agreed to recommend industry support of the O. S. Tyson and Company, Inc. proposal in the amount of \$40,500 for one year.

Agenda Item No. 2 -- Cooperative study proposal, Industrial Hygiene Foundation of America.

Mr. Nelson presented the background of this proposal to the Committee and explained that the original suggestion had come from a member of his company. He felt that a questionnaire would not adequately answer the request for information. The Committee agreed that no improvement in information would be forthcoming from a questionnaire of this type and that our interests as an industry would not be served by sponsoring such an activity. The Committee unanimously agreed to decline cooperation in this study.

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Agenda Item No. 3 -- Other business.

a) Mr. Nelson proposed a new project for research into the fundamentals of lead metabolism in physiology. He pointed out that very little is known as to the nature of the lead compounds as they exist in the body, and as to the exact fate of the lead as it passes through the physiological system. The Committee agreed that such information would be of extreme value to the medical and public health professions and recommended that Mr. Nelson write up a work statement for consideration as a future I.L.Z.N.O. project.

b) Mr. Nelson also suggested that consideration be given to making a statistical analysis of the fate of former lead poisoning cases in the State of Utah, particularly those which occurred in the Salt Lake City areas some years ago. He pointed out that there were many cases of lead poisoning from smelter operations in this area and that undoubtedly hospital records still exist and can be searched. The Committee recommended that Mr. Nelson look into this further with the idea of obtaining the services of a graduate student under the fellowship in the local medical school to make such a search for us.

There being no further business the meeting was adjourned at 3:00 p.m..

*Don G. Fowler*

Don G. Fowler, Secretary  
Health and Safety Committee

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