

LEAD INDUSTRIES ASSOCIATION

60 EAST 42ND STREET

NEW YORK 17, N. Y.

January 14, 1959

QUARTERLY REPORT OF THE SECRETARY

October 1 to December 31, 1958

The following report covers the highlights of Association activities during the fourth quarter of 1958. More detailed information on these activities or others not enumerated will be supplied on request. No attempt has been made to cover routine activities.

GENERAL

1. "Lead" - The fourth 1958 issue of this quarterly was prepared and mailed to over 50,000 people.
2. Meetings - The Technical Steering Committee, Industry Development Committee, and Board of Directors all met, with primary consideration given to budgets and activities for 1959.
3. Annual Reviews - The annual review of lead in 1958 was prepared for publication in the February, 1959, issue of "Engineering & Mining Journal." A short review of new developments in lead was prepared for publication in the January 5, 1959 issue of "Steel."
4. Home Builders Show Exhibit - L.I.A.'s exhibit was remodelled and brought up to date for use in the Home Builders Show in Chicago in January, 1959.
5. Science and Engineering Career Conference - At the request of the Technical Societies Council, David M. Borcina, assistant to the secretary, addressed New York high school seniors on opportunities of careers in the mineral industries for the third successive year.

HEALTH AND SAFETY

6. Lead Hygiene Conference - By far the most important health and safety activity of the year just closed was the Lead Hygiene Conference held at The Drake in Chicago on November 6th and 7th. The statement in the report of the third quarter that the conference program and other arrangements had been completed proved unduly optimistic, for rearrangements up to the last moment were required to make the conference the marked success which it unquestionably was. This was in large measure because there was full and free discussion by the qualified leaders in industrial health and medicine who comprised the great majority of the gathering, following each of the twelve papers. Of the total attendance of 140, half were physicians.
7. Conference Proceedings - The stenotype record of the conference comprises the remarks of 40 participants. The sizable job of separating this record, submitting it to the speakers, securing its return and forwarding it for the final editing preceding its publication in the journal "Industrial Medicine and Surgery" was going on as the year closed.



Quarterly Report

-2-

January 14, 1959

8. Uniform Labeling of Lead Paints - In cooperation with the N.P.V.L.A. efforts have been under way during the quarter to persuade the health authorities of such municipalities as New York and Baltimore, each inclined to be a law unto itself, to adopt uniform regulations relative to the precautionary labeling of lead paints. Lacking such uniformity, a chaotic condition could well develop.

9. Diagnosis of Plumbism - With the accumulation of evidence that not all allegations of lead poisoning in children are based upon sound diagnosis, a movement has been inaugurated, in concert with pediatric and toxicologic authorities, as well as the N.P.V.L.A. to establish standardized criteria for the diagnosis of this disease and then to seek their acceptance on a national basis.

10. Red Lead Paints for Water Tanks - As the year closes, it appears that at least one skirmish in the 10-year battle with representatives of the Public Health Service relative to the use of red lead paints in coating the interiors of potable water supply tanks has been won. It is our understanding that an important trade journal will refuse to publish a report adverse to this practice.

11. Meetings - In addition to the conference above referred to, national gatherings attended have been the annual meeting of the Industrial Hygiene Foundation in Pittsburgh and a conference on air pollution called by the Public Health Service in Washington. More local meetings have included three of the American Industrial Hygiene Association, two in New York City and one in Philadelphia.

METALLIC LEAD PRODUCTS

12. Publicity - As a part of our publicity program the following articles appeared:

<u>Publication</u>	<u>Subject</u>
American Artisan	Hard lead gutters, Duke University
Civil Engineering	Anti-vibration pads, Union Carbide Bldg.
The Science Counselor	General coverage of lead usage
Modern Sanitation & Building Maintenance	(Lead pan janitor's sinks
The Ladle	(
American Roofer & Siding Contractor	Hard lead roofing and flashing

13. Sweet's Catalogs - Our 1959 catalogs in Sweet's Architectural and Light Construction files on sheet lead for roofing and flashing and lead plumbing were pre-printed and circulated to members.

14. National Metal Congress - This meeting and exposition was attended by E. J. Mullarkey and S. W. Turner of the staff.

15. N.A.C.E. - Mr. Mullarkey also attended the Northeast Regional Corrosion Conference of the National Association of Corrosion Engineers.

16. Soldering Materials-Their Production, Properties and Applications - An 8,000 word article with this title was prepared by Mr. Borcina for use in Volume II of "Modern Materials, Advances in Development and Application" by H. H. Kinsner, to be published by Academic Press, Inc.

Quarterly Report

-3-

January 14, 1959

PIGMENTS AND CHEMICALS

17. B.R.I. - Mr. Borcina attended a two-day conference on Field Applied Paints and Coatings sponsored by the Building Research Institute.

18. Machinery Finishes - A survey of farm and road machinery manufacturers, highway departments, toll road authorities and government agencies was made preparatory to planning a new test program on one-coat lead paint finishes for machinery.

19. Advertising - Our advertising on red lead primers continued to appear monthly in "Engineering News-Record."

CERAMICS

20. P.E.I. Forum - This three-day meeting of the Porcelain Enamel Institute held at the University of Illinois was attended by S. W. Turner, L.I.A. technical service engineer.

21. American Ceramic Society - The annual meetings of the Glass Division and Electronics Division of the American Ceramic Society were also attended by Mr. Turner. At the latter meeting a paper on "Ultra Low Loss Ceramic Dielectrics" was presented by Rutgers University based on work under the L.I.A. fellowship there.

22. Publicity - An article on the leaded porcelain enameled aluminum ceilings of the new Hampton Roads Tunnel appeared in "Porcelain Enamel," publication of the Porcelain Enamel Institute.

23. Advertising - Our regular monthly advertisements continued to appear in "Ceramic Industry," "Ceramic Bulletin," and "Ceramic Age" and bi-monthly in "Ceramic News."

RADIATION SHIELDING

24. Atomic Industrial Forum - This two-day meeting was attended by E. J. Mularkoy, L.I.A. technical director.

25. American Nuclear Society - A new mailing list of 2,500 members of this Society was set up to receive "Lead" and other association publications in this field.

RESEARCH

26. Reinforced Lead - A new one-year contract was signed with Armour Research Foundation, Chicago, for a study of the reinforcement of lead with felted fibers of other metals.

27. Lead Chemicals - A new one-year contract was signed with Arthur D. Little, Inc., Cambridge, Mass., for a study of the properties and applications of lead chemical compounds with particular emphasis on organo-lead compounds.

28. Lead Chemicals - Negotiations were initiated with Dr. G. J. M. van der Kerk of the Organisch Chemisch Instituut T.N.O., Utrecht, Holland, for basic research on organo-lead compounds. Dr. van der Kerk is already known for his successful work on organo-tin compounds.

Quarterly Report

-4-

January 14, 1959

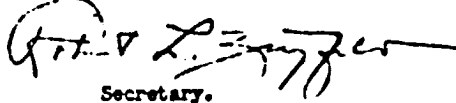
29. Cable Sheathing - The cooperative work on continuous extrusion of lead alloy cable sheathing with the John Robertson Company is proceeding satisfactorily. The new press is now producing the arsenical alloys successfully and a report will soon be made to the Committee on this phase of the work. On a similar machine antimonial lead is now being extruded commercially in Sweden and Robertson personnel have viewed the operation personally.

30. Lead as a Cementing Material - This project under contract with Battelle Memorial Institute, Columbus, Ohio, was discontinued at the end of 1958 because results up to that time did not appear sufficiently promising.

31. Anti-Vibration - A meeting was held with New York Central Railroad engineers and other engineers who have used lead-asbestos anti-vibration pads under buildings and machinery to plan a testing program to develop much needed engineering data about these pads. As a result proposals have been requested from several research organizations.

32. Lead Alloys - The literature study on this project at Armour Research Foundation has been completed and has been circulated to the Technical Steering Committee.

Respectfully submitted,



Secretary.