

LEAD INDUSTRIES ASSOCIATION

292 MADISON AVENUE

NEW YORK 17, N. Y.

October 4, 1960

QUARTERLY REPORT OF THE SECRETARY

JULY 1 TO SEPTEMBER 30, 1960

The following report covers the highlights of Association activities for the third quarter of 1960. More detailed information on these activities or others not enumerated will be supplied on request. No attempt has been made to cover routine activities, and research is covered in a separate report of the Research Director.

GENERAL

1. Information Bulletins. Three more in this series of bulletins were distributed to members.

2. Statistics. A conference was held with the Bureau of Mines in Washington to explore ways in which LIA might assist the Bureau in disseminating its statistical information on lead more promptly and thus increase its value.

HEALTH AND SAFETY

3. Manfred Bowditch, Director of Health and Safety. Mr. Bowditch died suddenly of a heart attack on June 29, 1960. Permanent plans for the continuation of his work have not yet been completed. Meanwhile, the Secretary is making every effort to see that matters of immediate importance in this field receive proper attention.

4. Lead Poisoning from Pottery. A case of lead poisoning from lead glazed pottery was brought to LIA's attention. Since no such cases have been reported in many years, and since properly made and applied glazes need present no hazard, this case was investigated. It was found to be authentic but the result of improper production methods. The manufacturer had voluntarily closed his plant and withdrawn his product from the market. Arrangements were made to give him technical assistance in producing a harmless product. So far the matter seemed to have been handled in an intelligent manner by all concerned, and it is hoped that it will receive little, if any, unfavorable publicity.

5. Toxicity Research. A meeting of a special committee, formed at the direction of the Board of Directors, was held in New York on July 27. This committee was composed of representatives of members and a number of professional authorities on toxicology. The purpose was to advise the Board on the need for and general nature of research to develop more specific information on the toxicity of various lead compounds. The need for such research was confirmed, and it was recommended that a smaller group be charged with the responsibility of working out and supervising a detailed program.

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6. Health and Safety Bulletin. Another in this series of bulletins was sent to members in July, transmitting an excellent recent paper on "Modern Methods for the Prevention, Detection and Treatment of Lead Intoxication."

7. Lead Poisoning in Cattle. Some assistance was rendered the Southern Pacific Railroad in preparing the defense of a suit brought against it for the poisoning of cattle resulting from sandblasting a bridge painted with red lead.

8. Milwaukee "Lead Poisoning" Case. Another conference was held with attorneys in Chicago on the defense of this case, in which we are lending assistance and which has been mentioned in previous reports. Our attorney was present when depositions were taken from the plaintiff. It now appears that the case will not come to trial before November.

INDUSTRY DEVELOPMENT--GENERAL

9. Storage Batteries. A paper on the outlook for lead storage batteries, presented by the late Clifton G. Grimes, vice president--research, Electric Storage Battery Company, at the Battery Association meeting in June, was reproduced by us and distributed to members of LIA. Also, copies of a new brochure on the battery-powered delivery truck now in production at Cleveland Vehicle Company was distributed.

10. "Lead." The third 1960 issue of "Lead" was written and readied for distribution in early October.

11. Advertising. In our "Newsletter" series of ads, two one-page insertions appeared in "Materials in Design Engineering" and one in "Product Engineering" during the quarter. Another ad in the series was prepared for appearance in October and November.

12. Sweet's Design Engineering Catalog. A new 12-page catalog on lead was prepared for the 1961 Sweet's Design Engineering file, which goes to some 18,000 design engineers. Reprints will be mailed to members later. It covers the forms of lead available, principal properties and uses, and has specific sections dealing with radiation shielding, corrosion resistance, corrosion protection, sound attenuation, vibration attenuation, power sources, ceramics and others.

13. Annual Review. The major part of the preparation of the annual review article on technical developments in lead, its alloys and compounds, for "Industrial and Engineering Chemistry" was accomplished.

INDUSTRY DEVELOPMENT--METAL PRODUCTS

14. ICBM Launching Bases. These underground bases have been receiving wide publicity without reference to the 10,000 tons of lead used in their construction. Two visits to the Office of the Chief of Army Engineers have elicited promises of full cooperation in publicizing the use of lead. Some publicity should be forthcoming soon.

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15. Plumbers' Apprenticeship Contest. For the seventh consecutive year, David M. Borcina of LIA served as judge of lead work at the International Plumbers' Apprenticeship Contest held at Purdue University, and Homer S. Yetman conducted a refresher course in lead work for instructors of apprentices. LIA awarded prizes to the three best lead workers among the apprentices.

16. Cable Sheathing. The American Institute of Electrical Engineers accepted for presentation and publication the report of the successfully concluded LIA research project on continuous extrusion of lead alloy cable sheath. Preprints of the paper were obtained and circulated to members and interested people in the power industry.

17. Advertising. Two new advertisements on lead alloy anodes for cathodic protection in impressed current systems were prepared, one dealing with protection of ships and the other with waterfront structures like piers and bridges. One appeared in the September issue of "Marine Engineering/Log" and the other in "Engineering News-Record," September 15. They are both scheduled for reappearance in November. An ad on the American Airlines Terminal's huge leaded glass window also appeared in the June 30 and August 18 issues of "Engineering News-Record."

18. Welding. A new expanded section on lead welding (burning) was written for the new edition of the American Welding Society's "Welding Handbook." It has been circulated to our newly organized Welding Committee for comments and approval.

INDUSTRY DEVELOPMENT--CERAMICS

19. Advertising. An ad on lead glazed brick appeared in "American Ceramic Society Bulletin" in July, "Brick and Clay Record" in August, and "Ceramic Industry" in September. A new ad on leaded porcelain enameled aluminum was prepared for appearance this fall and winter in the ceramic magazines and in "Metal Product Manufacturing."

20. Ceramics Technical Committee. A meeting of this committee was held in September to review the 1960 research and promotional activities and develop recommendations for 1961.

21. Supplement. A new staff-prepared supplement to our manual "Lead in the Ceramic Industries" on porcelain enameled aluminum was prepared and cleared with the Ceramics Technical Committee. It will be published this fall.

22. Meetings. Annual meetings of the Electronics and White Wares Divisions of the American Ceramic Society were attended.

INDUSTRY DEVELOPMENT--PIGMENTS

23. Advertising. Three new ads on the use of paints containing lead pigments for all coats on steel were prepared. Two were for use in fall and winter issues of "Engineering News-Record" and the other for "Marine Engineering/Log." One new ad on pearlescent lead finishes for metal was prepared for "Metal Product Manufacturing" and appeared in August, to be repeated once later.

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24. Technical Letter. Work was started on a new Red Lead Technical Letter which would be an up-to-date summary of all earlier Letters, since most of these are practically out of print.

INDUSTRY DEVELOPMENT--SOUND AND VIBRATION

25. Articles. As a result of LIA staff cooperation with editors of "Steel" and "Chemical Week," an excellent article appeared in each publication on the general subject of sound and vibration attenuation. Both articles were reprinted for distribution to members and others.

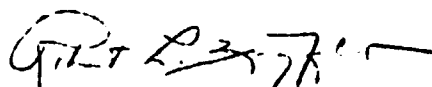
26. Sound Attenuation Report. The rewritten Bolt Beranek and Newman report on lead for sound attenuation received that firm's approval for publication by us. It has been turned over to the printer and will be ready for distribution to architects, design engineers, building component manufacturers and others within the next thirty days.

27. Folding Partitions. A visit to Dave Chapman, Inc., Chicago industrial designers, revealed that the lead-wire-bearing flexible material for soundproof folding partitions will soon have full scale field tests at the University of Chicago and elsewhere. Mr. Chapman will welcome assistance in publicizing the material, but only after these tests have proved satisfactory. The test material is being made by Mohasco Industries on carpet looms and has already used 20 tons of lead wire.

28. Antivibration Pads for Printing Presses. A publicity article on this subject was prepared with the cooperation of the leading firm of architects and engineers engaged in the design of newspaper printing plants. It is expected to be published soon in appropriate trade media.

29. Cooling Towers. A similar article on lead-asbestos pads for air-conditioning cooling towers was prepared and by-line obtained from the engineers who have used these pads for this purpose.

30. Lead-Asbestos Pads for Building Foundations. Technical data and assistance were supplied the architects and engineers for the specification of these pads in the foundations of Grand Central City (now Pan Am Building) in New York and a new large office building in Boston.


Secretary

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