

MEMBERS QUARTERLY REPORT

From the Executive Vice President
Lead Industries Association, Inc.
292 Madison Ave.
New York 17, N.Y.



Look Ahead with Lead

July 3, 1962

APRIL 1 to JUNE 30, 1962

The following report covers the highlights of Association activities for the second quarter of 1962. 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. Annual Meeting. The L.I.A. annual meeting at St. Louis was attended by a record number of both domestic and foreign lead producers and fabricators. Comments indicate that the program was one of the best and most interesting ever presented.

2. Information Bulletins. Two of these bulletins were circulated to members during the quarter.

3. Statistics. The L.I.A. Annual Statistical Review was published and circulated to members. Also, certain statistics were provided the A.B.M.S. for its Year Book and an introductory summary page prepared for that publication. Likewise, statistics were supplied for the year books of the Automobile Manufacturers Association and the Association of American Battery Manufacturers.

4. London Conference. The Executive Vice President accepted an invitation to speak on "Recent Developments in the U.S. Battery Industry" at the International Conference on Lead to be held in London the week of Oct. 6, 1962. The paper is in preparation to be translated into several languages and preprinted.

5. Lecture. The annual lecture on lead was delivered by an L.I.A. staff member before graduate students at the Newark College of Engineering.

6. A.A.B.M. The annual spring meeting of the Association of American Battery Manufacturers in Atlantic City was attended.

7. Noise Control Report. This report from E.R.P. was reviewed preparatory to publication later in the year. A meeting was held with E.R.P. and the research contractor and certain additional tests were agreed upon as needed to be included in the initial publication to make it more readily usable by potential customers such as architects and building component manufacturers.

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8. A.S.T.M. The assistant to the executive vice president was appointed secretary of Subcommittee 3, Tin Base-Lead Base Alloys, of Committee B-2, Non-Ferrous Metals of the American Society for Testing and Materials.

9. Encyclopedias. We have prepared or are preparing sections on lead for encyclopedias: Reinhold's Chemical Construction Encyclopedia and Encyclopedia of Engineering Materials and Processes, American Oxford Encyclopedia, and Harper's Encyclopedia of Science.

HEALTH AND SAFETY

10. Milwaukee Law Suit. An out of court settlement was reached when the claimant accepted a cash payment on a nuisance basis without prejudice. Claimant in this case alleged lead poisoning from drinking water in an apartment building where she was a tenant.

11. Meetings. Our Health & Safety Director gave a talk at Houston, Texas before the Gulf Coast Symposium on Industrial Toxicology, and participated in the Seminar on Air Quality Standards held at the University of Michigan in Ann Arbor. Other meetings attended were the annual American Industrial Hygiene Conference and that of the Air Pollution Control Association.

12. Lead Pigment Paints for Automotive Use. We are presently working with the industry to help in expanding the use of lead in automotive paint for corrosion control purposes by attempting to reduce the resistance to the use of lead pigments for toxicological reasons.

13. Study of Lead Glazed Pottery. What we expect to be the final phase of this study, jointly sponsored by U. S. Pottery Association and L.I.A., is now under way at the Kettering Laboratory. This phase consists of a comparison of Laurel Pottery Ceramastone (which ware was implicated in two cases of excessive lead absorption resulting from its use) with standard production ware from typical potteries.

14. L.I.A. Hygiene Committee. The Board of Directors approved the appointment of a committee to advise the Health and Safety Director, the Industry Development Committee and the Board on matters relating to the specialized fields of public and industrial health, including air pollution. The Committee is in process of being formed.

15. Study of Particulate Lead in Air. The proposal for this study, mentioned in the last report, was received from Stanford Research Institute and approval of support obtained from Ethyl Corp. and duPont. It is now awaiting approval of the proper L.I.A. and E.R.P. committees before entering into a research contract.

INDUSTRY DEVELOPMENT-GENERAL

16. Design Engineers. L.I.A. had a 24-ft. exhibit booth at the annual Design Engineering Show held in Chicago. Featured were lead products for noise and vibration control, ceramics, electronic applications and many other uses of lead. It was one of the most successful exhibits L.I.A. has put on.

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17. A.I.A. L.I.A. also had a 20-ft. exhibit at the annual convention of the American Institute of Architects in Dallas. Featured were lead for sound and vibration control, ceramics, roofing and other applications. This was our first A.I.A. exhibit and results indicate that it is worth continuing in the future. Our architect was an official delegate to this convention from the New York Chapter of A.I.A.

18. Acoustics. Still another meeting at which L.I.A. exhibited was the annual meeting of the Acoustical Society of America in New York. Another "first time" exhibit, our booth consisted of a 10-ft. space (all booths were comparatively small) and concentrated naturally on lead and lead combinations for noise and vibration control. This exhibit is considered well worth while, particularly in view of its low cost.

19. Advertising. Two one-page ads appeared in "Factory" during the quarter - one on battery powered lift trucks and one on battery powered personnel carriers. Also two one-page ads appeared in each of the following: "Machine Design," "Materials in Design Engineering," and "Product Engineering." One was devoted to pearlescent finishes and the other to the new sealed, maintenance free lead battery.

20. Power Sources Conference. This annual Conference sponsored by the Signal Corps was attended in Atlantic City.

21. Purchasing Agents. The New York Purchasing Agents Association has been publishing a series of articles on "The Materials You Buy" in its periodical for members. L.I.A. prepared the article on lead published several years ago. Permission has now been granted to reprint this article in a book, with other similar articles, for the guidance and education of purchasing agents.

22. Building Research Institute. Our architect attended a meeting of this organization in Washington and is serving on its Metal Finishes Committee.

23. Construction Specifications Institute. Our architect was also an official delegate from the New York Chapter of this organization to its national meeting in Atlanta. It is composed of leading specification writers of prominent architectural and engineering firms throughout the country.

24. "Lead." The second 1962 issue of this publication was prepared and will be mailed shortly.

25. Work Room. The lead-lined work room installed in the L.I.A. offices and mentioned in the last report was field tested with sound level instruments. The practical result of the test indicates that the noise outside the room is reduced to 1/20 of that in the room with all equipment operating. Another way of putting it is that a 2½-in. wall containing only 1/16 in. of lead is accomplishing a sound transmission loss equivalent to a conventional plastered gypsum block wall 4½ in. thick.

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26. Lead-lined Wall. We assisted the architect for one of our members in the design and installation of a lead-lined lunch room wall in their offices similar to that installed in our own offices.

27. Motion Picture. A shooting script of a motion picture to dramatize lead and its uses was prepared by a professional producer with the help of our advertising agency and staff. It has been submitted to the Executive Committee of the Industry Development Committee for comment, evaluation and recommendations.

28. Power Steering. Through L.I.A. efforts to interest General Motors in lead composites for noise control, the Saginaw Steering Gear Division has ordered trial quantities of urethane containing galena as a damping compound for quieting power steering mechanisms after tests with several lead composites suggested.

29. Franklin Institute Test Room. An evaluation of the acoustic treatment of the lead-lined test room which we helped design at Franklin Institute was made by Bolt, Beranek and Newman. They found that the use of lead had made about twice the improvement usually attributed to other methods of treating such rooms. The barrier was termed "fabulous" by many people in informally discussing the results.

INDUSTRY DEVELOPMENT-METAL PRODUCTS

30. Advertising. Four pages of advertising appeared in "Engineering News-Record." One ad was a double spread on lead roofing and the other two were single pages on anti-vibration pads. Four pages also appeared in "Progressive Architecture," these being the double spread on roofing, and single pages on anti-vibration pads, one for building foundations, the other for cooling towers. Three one-page ads appeared in "Electrical World," starting off our new campaign on lead cable sheathing.

31. Prudential Project. Some time was spent with the architects, structural engineers and contractors for the new Prudential Insurance Co. project over a railroad right-of-way in Boston. Lead-asbestos anti-vibration pads in considerable quantity have now been purchased for this project. To our knowledge this is the first use of these pads in Boston.

32. Lead Roofing. Installation details and specifications were worked out with the New York architect for a large synagogue to be erected at Gloversville, N. Y. Involved will be lead roofing and an ornamental stamped lead panel around the entire building.

33. Reinforced Concrete Structures. In the past lead-asbestos anti-vibration pads have been used in steel skeleton buildings only. Recently we have been working with several architects in New York, New Jersey and Boston on the correct installation of such pads in reinforced concrete structures. At least two such structures are now using the pads and, if successful, this should open a broader market for this lead product.

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34. Gutters. A couple of years ago about 500 ft. of lead-lined stone gutters were installed on a government building in Springfield, Ill. These have failed due to improper installation methods. We have visited the job and supplied the architect with details to correct the trouble and, we believe, avoid any future failure.

35. G.S.A. Through arrangements originally made by the Interior Department, we have met on several occasions with public building officials in the General Services Administration and supplied them with available data on lead roofing and flashing, noise and vibration control and other construction uses of lead in the hope of increasing use of lead products in government buildings.

36. National Association of Plumbing Contractors. L.I.A. had a 10-ft. booth at the exhibits held in connection with the annual meeting of this group in St. Louis.

37. U.S. Gypsum. Our architect visited the research laboratories of this company to provide them with our experience in using gypsum board and lead as a sound-reducing wall and interest them in pursuing further work with lead.

INDUSTRY DEVELOPMENT-PIGMENTS

38. Advertising. Two one-page ads on red lead and basic lead silicate appeared in "Paint and Varnish Production." The same ads appeared as spreads in "Official Digest" and the one on basic lead silicate as a spread in "American Paint Journal."

39. Pigments Committee. A meeting of this Committee was held in New York to help in preparation of the current pigment advertising program and to lay out a test program for leaded aluminum paints.

INDUSTRY DEVELOPMENT-CERAMICS

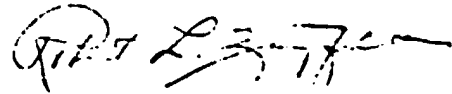
40. Advertising. A one-page ad on leaded porcelain enameled highway guard rails appeared in "American Ceramic Society Bulletin," "Ceramic Age," "Ceramic Industry" and "Metal Product Manufacturing." In addition, a one-page ad on enameled tubular steel hand rails appeared in "Ceramic Age."

41. Meeting. The annual luncheon meeting sponsored jointly by L.I.A. and E.R.P. was held during the annual meeting of the American Ceramic Society in New York for the professors supervising L.I.A. fellowships at ceramic schools, some of the fellows, and members of our Ceramic Technical Committee. The luncheon was followed by a meeting of the Committee.

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42. Display. L.I.A.'s new display background used at most of its trade show exhibits this year is constructed of perforated steel panels enameled in various brilliant colors with high lead content low-firing porcelain enameled. It has effectively demonstrated what can be done with these materials.



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Executive Vice President