

MEMBERS QUARTERLY REPORT

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



Look Ahead with Lead

October 7, 1963

JULY 1 to SEPTEMBER 30, 1963

The following report covers the highlights of Association activities for the third quarter of 1963. 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. AMC. The annual meeting of the American Mining Congress was attended in Los Angeles.

2. Information Bulletins. One of these Bulletins was sent to members during the quarter.

3. Office Space. With the approval of the Executive Committees of both L.I.A. and American Zinc Institute arrangements were made with our present office building for additional space. The entire 19th floor will soon be occupied by International Lead-Zinc Research Organization. L.I.A. and A.Z.I. will continue on the present larger 14th floor but will occupy the entire area. Past growth of all three groups and possible future expansion entered into the decision.

HEALTH AND SAFETY

4. Meetings Attended: Air Pollution Control Association, West Coast Section - Third Technical Meeting and California's Motor Vehicle Pollution Control Board

5. Seton Hall College of Medicine. The Health and Safety Director addressed third year medical students of this school at one of their regular clinical conferences at which the subject of lead toxicology was discussed and illustrated with a recent industrial case.

6. Stanford Research Institute Study, ILZRO Project LC-69. At a meeting at Stanford, representatives of Ethyl, Dupont, American Petroleum Institute, California Health Department and ourselves discussed progress to date on this project in which atmospheric samples analyzed for lead have been collected. The project is now in its final phases and analyses of the results of air sampling in Los Angeles and San Francisco are being collated and made ready for the final report, which is due in November of this year. Possibilities for further work on the project were discussed and a general summary of results to date was made.

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7. Visit to Detroit Automobile Plants. A presentation was made of the results obtained on water thinnable paints on ILZRO Project No. LC-34 to General Motors, Ford, Chrysler, and American Motors. The Health and Safety Director attended each presentation to answer questions and engage in a discussion concerning problems of lead toxicology which are likely to arise in any expanded use of lead as a pigment for sheet metal primers.

8. National Bureau of Standards' Washington Laboratories. A visit was made to the offices of Dr. John Taylor of the Chemical Analytical Section of the Bureau of Standards for the purposes of acquainting ourselves with the latest techniques in fine particle analyses. The Bureau showed great interest in our Stanford Research Institute project since this project is engaged in work which has not yet been covered by the Bureau's activities. Dr. Taylor indicated to us that should the occasion arise we can be assured of their cooperation in our future investigations.

INDUSTRY DEVELOPMENT - GENERAL

9. "Lead." The second 1963 issue of this publication was prepared and was mailed in July.

10. Advertising. One ad each on porcelain enamelled aluminum appeared in "Machine Design" and "Product Engineering." Two ads appeared in "Materials in Design Engineering," one on the same subject and one onterne plate. A page ad was placed in the special Lead-Zinc issue of "American Metal Market."

11. Inquiries. In the first nine months of 1963 the L.I.A. office has processed nearly 9,000 inquiries, of which over 2,500 came from space advertising, over 2,000 from press releases, over 1,600 from "Lead," nearly 1,000 by telephone, and the rest from miscellaneous sources. Nearly 1,300 of these were of a technical nature and were handled by other than routine methods, such as special correspondence, personal or telephone calls. Altogether nearly 43,000 pieces of L.I.A. literature have been distributed so far this year by other than bulk mailings.

INDUSTRY DEVELOPMENT - NOISE AND VIBRATION

12. Sound Proof Room. The polygraph room at the Bergen County, N. J., Prosecutor's Office, the lead sound-proofing of which was mentioned in an earlier report, was instrument tested and found to give excellent results. Also the Prosecutor has expressed complete satisfaction. A detailed report of this installation, which employed a little less than one ton of 4-lb. sheet lead is being prepared for members.

13. Advertising. An ad on the use of sheet lead to reduce transformer noise appeared in "Electrical World" during the quarter.

14. Meeting. Another meeting of the I.D.C. subcommittee concerned with this subject was held.

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15. Research Report. A draft of a progress report giving research results to date on lead to reduce transmission of noise was submitted at this meeting, discussed, and a final draft, for limited distribution is now about completed.

16. Article. A large amount of available data on the use of lead to control noise in houses was provided "Sunset" magazine, at the request of the editors, for use in an article to appear in the October issue.

17. Industrial Noise. As a result of reading L.I.A. advertising and publications over a period of time, officials of the General Electric Co. asked us to send an engineer to their Bridgeport plant to investigate whether lead might be the answer to several sound control problems involving noisy machinery. Recommendations were made which would involve the use of about a ton of lead in the form of sheet and leaded plastics.

18. Movable Partitions. Through an acoustical consultant with whom L.I.A. has worked in the past, a vice president of Virginia Metal Products Co. called to request a conference to explore the possibilities of lead to reduce sound transmission in their movable partitions. This company claims to be the second largest manufacturer of these partitions in the U.S. A conference was held, attended by the Company and representatives of L.I.A. and I.L.Z.R.O. and a further meeting will be held to arrive at procedural details.

19. Sound Proof Fins. As a result of work previously done by L.I.A. with the architects, thin gypsum board fins with lead laminations inside 18 in. wide have been installed to join the 4½ in. regular partitions with the narrow mullions on the outside wall of a new hotel in Hartford, Conn., since the mullions were too narrow to accommodate the regular partitions. By this method it is expected that the same sound transmission loss will be achieved using half the thickness.

20. Inquiries. As a result of ad on sound-reducing transformer housings in "Electrical World" and an article on the same subject in "Lead" nearly 100 inquiries have already been received asking for more information, mostly from important utility companies. A list of these names was prepared and is being sent to members for personal follow-up by salesmen or engineers where possible.

INDUSTRY DEVELOPMENT - METALLIC PRODUCTS

21. Annual Plumbers' Apprentice Contest. L.I.A. again supplied lead materials, prizes and a judge for this annual contest held at Purdue University and an instructor for the teachers' training program held in conjunction with it.

22. Advertising. One ad on lead pool linings appeared in "Engineering News Record" and also in "Progressive Architecture" during the quarter. An ad on lead roofing appeared in "Roofing, Siding, Insulation."

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23. Solder. A chapter on solder and soldering methods was prepared for the Penton Publishing Co. and appeared in the "Nonferrous Metals Book" issue of "Machine Design," Sept. 19, 1963.

24. More on Solder. The L.I.A. secretary was again appointed chairman of the committee to edit the solder chapter of the American Welding Society's "Welding Handbook" for its Fifth Edition. He was chairman of the original committee some years ago.

25. World's Fair Pool. Considerable time was spent with the architects for the Hall of Science at the New York World's Fair with the result that 35 tons of lead lining is now specified for a large reflecting pool at this building.

26. Terne Plate. As a result of our cooperation with U. S. Steel on promotion of terne plate which began with their talk on the subject at the L.I.A. Annual Meeting, we have devoted a couple of our ads to terne plate and the Steel Corporation is preparing a booklet on terne plate to be used in answering the many inquiries received. The booklet should be ready next month.

INDUSTRY DEVELOPMENT - CERAMICS

27. Advertising. Two ads on leaded porcelain enamels on a variety of metals appeared in "American Ceramic Society Bulletin" and "Ceramic Industry" and one in "Ceramic Age" during the quarter. Two ads on leaded porcelain enameled aluminum also appeared in "Metal Products Manufacturing."

28. Supplement. A new 2-page supplement to "Lead in the Ceramic Industries" has been prepared based on work done under a research fellowship supported by I.L.Z.R.O. at Penn State. It has been submitted to the American Ceramic Society for approval, since it was based on a paper presented before that Society.

29. Meetings. The annual fall meetings of the Ceramic-Metal Systems, the Materials and Equipment, and the White Wares Divisions of the American Ceramic Society were attended.

INDUSTRY DEVELOPMENT - BATTERIES

30. Advertising. One ad on motive power batteries appeared in "Business Week," one in "Materials Handling Engineering" and two in "Factory" during the quarter.

31. Survey. To help in handling inquiries a survey of battery manufacturers was made and the names of companies, types and sizes of batteries made and other information have been tabulated.