

LEAD INDUSTRIES ASSOCIATION

60 East 42nd Street

NEW YORK 17, N. Y.

April 5, 1957

SUBJECT: REPORT OF SECRETARY
AND TREASURER

To Members of the Lead Industries Association:

Enclosed please find:

1. Report of the Secretary for the year 1956.
2. Report of the Treasurer for the year 1956.
3. Current list of members.

Inasmuch as the secretary in 1956, for the first time, has made quarterly reports to the membership, the annual report is in condensed form. Also, detailed reports of various activities will be presented at the annual meeting and circulated to the members.

Respectfully submitted,



Secretary.



ANNUAL REPORT OF THE
SECRETARY-TREASURER
FOR THE YEAR 1956

For many years the Ordinary expenses of the Association such as rent, overhead and the like, including Health and Safety activities and the Pension Fund, have been financed by all members of the Association under the method outlined in the By-Laws of the Association. Briefly this is on a tonnage basis with lead miners; smelters and refiners; manufacturers of lead products; and makers of cable, batteries and ammunition participating in a ratio of 4-1-2-1 respectively per ton. However, as the Association entered into various industry development activities each development program was financed by whatever method seemed equitable at the time, resulting in each program having a different ratio of participation by the different groups involved and different manufacturers participating in different activities.

About two years ago an Industry Development Fund was established by the producers of pig lead only, to be used strictly for the purpose its name implies. As a result, starting with 1957 all industry development activities are financed solely from this fund and companies which are strictly miners of lead ores or manufacturers of lead products are no longer asked to subscribe to industry development activities. We believe that this has been a distinctly progressive step offering the Association greater flexibility in its operations. Nevertheless, its success will depend upon continued support of the manufacturers of lead products, who are in closest touch with the industries to which we are promoting the use of lead, by giving the Association the valuable benefit of their knowledge of these industries and the assistance of their trained personnel, as they have in the past, in such work as that of the Red Lead Technical Committee, Ceramics Technical Committee, Solder Committee, Cable Committee, Technical Steering Committee, and others.

Over the last 30 years the per capita consumption of lead in the U. S. has declined roughly $\frac{1}{2}$ lb. from slightly over 15 lb. in the last half of the prosperous 1920 decade to a little over 14.5 lb. in the first half of the prosperous 1950 decade. On the basis of present population this represents a loss of over 80,000 tons of lead consumed per year. Since World War II supplies of lead available to U. S. consumers have averaged about 100,000 tons per year in excess of industrial demand, the difference going mainly to Government stockpiling. It appears that if per capita consumption of lead could be raised to the level of the late '20's, supply and demand would strike a close balance.

However, per capita changes in consumption have not been uniform throughout the various uses of lead. White lead, foil and cable sheath for example, have shown major declines but tetraethyl lead, storage batteries, solder and oxides for uses other than batteries, have shown major increases, and nuclear radiation shielding has become an entirely new field on which no data are available. To close the gap between supply and industrial demand obviously requires an approach to the

problem over a broad front. Efforts must be made, where possible, to keep the use of lead in the growth industries growing and to increase less important uses and find new ones. It is also probable that those industries which have shown major losses will level off, some because there is little more to lose, like white lead and foil, and some, like cable sheathing, which have already shown a leveling off tendency since the last war and are still sizable consumers.

Recognizing that there is a good possibility of closing the gap between supply and industrial demand and the variety of products involved, the Association in the last few years has both increased its market development activities and broadened their base to include more products and industries. Today we are promoting lead through a greater variety of sales promotion and research activities than ever before but there are still many more opportunities and the industry can never afford to become complacent. There is always the possibility that some day an industry using substantial amounts of lead now may follow the path of white lead and foil.

Major 1956 activities of the L.I.A. are summarized here and more details will be found in the reports of the various Divisions and Committees presented at the Annual Meeting.

GENERAL

1. In 1956 we circulated over 350,000 pieces of literature.
2. Headquarters were moved to joint space with the American Zinc Institute.
3. A successful annual meeting was held in St. Louis, including a half-day session held jointly with the Zinc Institute.
4. Our magazine LEAD was re-established as a quarterly publication with the mailing list at about 50,000.
5. Annual review articles on lead were written for "Engineering & Mining Journal," "Iron Age," "Steel," the Year Book of the American Bureau of Metal Statistics, and "Industrial & Engineering Chemistry."
6. Chapters on lead were prepared for the encyclopedia Americana and for an economic geography textbook edited by a Dartmouth professor.
7. Statistical services were continued without major change.
8. "Information Bulletins" were sent to members about once a month.

HEALTH AND SAFETY

1. Further progress was made toward substantially increasing the American Standard for maximum acceptable limits for lead in the air of work places.
2. Legislative proposals bearing on lead hazards, including warning labeling, were followed and protested where deemed advisable.
3. Research on childhood lead poisoning has continued and close relations have been maintained with health authorities and pediatricians in principal cities.

4. The paper delivered by Dr. R. T. Johnstone at our annual meeting was distributed among industrial executives, physicians and hygienists. The interest has been amazing.
5. Three Health and Safety Bulletins were mailed to members.
6. The Manufacturing Chemists' Association has been alerted to the adverse implications to industrial chemicals, including lead compounds, inherent in the pharmacy laws of many states.
7. To minimize hardship to members, assistance was rendered to the New Jersey Health Department in preparing forms for the required reporting of lead poisoning.
8. Publications relative to lead hazards have been watched and, where warranted, the attention of authors has been called to unduly adverse statements.

METALLIC LEAD PRODUCTS

1. Our solder Committee is nearing completion of the Soldering Handbook.
2. Two Lead Building Construction Bulletins, a new series, were distributed to some 35,000 architects, builders and plumbers.
3. A Judge and demonstrator were supplied for the annual international plumbers' apprenticeship contest and instructor training course.
4. We exhibited at the annual convention of the National Association of Plumbing Contractors.
5. Plumbers' Forum was distributed to about 25,000 plumbers.
6. Over 1,300 more copies of our text book for plumbers' apprentices were sold.
7. The usual field work with plumbers, builders, architects, and city officials was continued.
8. Revision of the chapter on Lead for the American Chemical Society Monograph on Corrosion of Metals was virtually completed.
9. A paper on non-destructive testing of lead was printed in three leading trade journals and reprints circulated to members and the chemical industry.
10. Three Chemical Construction Bulletins were distributed during the year.
11. We delivered the lecture on lead at a symposium on Corrosion Control in Industry sponsored by the National Association of Corrosion Engineers.
12. For the sixth consecutive year two lectures on Lead as an Engineering Material were delivered before graduate students of Newark College of Engineering.

RED LEAD

1. Red Lead Technical Letter No. 11 was prepared and distributed to over 12,000 interested people.

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2. The Navy's new specifications make red lead paint mandatory for many purposes where it was optional and, only a short time ago, prohibited.
3. Material was supplied for an article which appeared in "Factory Management and Maintenance" on red lead paints for galvanized surfaces.
4. We continued to support and serve on the technical committee of the Steel Structures Painting Council.
5. The Red Lead Technical Committee met regularly throughout the year and also evaluated results of our test programs as a basis for future promotional activities and outlined new test programs.
6. A survey of state highway specifications was begun to help us take advantage of the huge new federal-aid highway program.

CERAMICS

1. A new technical data book, LEAD IN THE CERAMIC INDUSTRIES, was completed and distributed in early January, 1957, to about 4,500 ceramists.
2. A reassuring address on lead supplies was delivered at the annual meeting of the American Ceramic Society and accepted for publication in the Bulletin of that Society.
3. First steps were taken to outline an advertising campaign in ceramic trade papers to run through 1957.
4. Similarly preliminary arrangements were made for three research fellowships on lead in ceramics as authorized for 1957.

TECHNICAL STEERING COMMITTEE

1. A modest program to gather technical and practical information on lead radiation shielding has been approved for 1957 and a staff member secret "Q" cleared to conduct this work.
2. A foreign and a domestic press manufacturer have been encouraged by the Cable Sheathing Task Group of this Committee to undertake research programs on continuous extrusion of lead alloy cable sheath at no expense to L.I.A., at least at present. Technical assistance is being offered.
3. Work on the American Chemical Society Monograph on Lead, is progressing and many chapters have already been completed.
4. A subcommittee was appointed to entertain bids by independent research organizations for a survey of the industry's research problems.

MEMBERS

No report would be complete without a word of sincere thanks to the membership for its loyal support and to the officers and directors for their help and guidance.

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STAFF

The staff, too, deserves commendation for carrying on vigorously and intelligently, increased activities with fewer people. Of our staff of 11, two have seen more than 25 years of service with L.I.A., two more 20 years, and one is in his 19th year.

I would also like to thank Mr. Kimberley and his staff at the American Zinc Institute for their cooperative attitude in the period of adjustment to living under one roof.

The report of the treasurer for the year 1956 and the current list of members is attached.

Annual Report
for the Year 1956

The Treasurer respectfully submits the report of the audit of the accounts of the Association as of December 31, 1956. By Hawkins & Sells, as follows:

HAWKINS & SELLS
Certified Public Accountants

67 Broad Street
New York 6

MARCH 26, 1957

ACCOUNTANTS' CERTIFICATE

Lead Industries Association;

We have examined the balance sheet of Lead Industries Association as of December 31, 1956 and the related statement of income, expenses, and reserves for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet and statement of income, expenses, and reserves present fairly the financial position of the Association at December 31, 1956 and the results of its operations for the year then ended, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

(Signed) Hawkins & Sells

LEAD INDUSTRIES ASSOCIATION

BALANCE SHEET, DECEMBER 31, 1956

ASSETS

CASH:		
Pension Fund savings bank deposits	\$ 91,274.40	
Other (including savings bank deposit, \$3,434.22)	118,567.68	\$209,842.08
ACCOUNTS RECEIVABLE	793.00	
ADVANCES FOR TRAVEL EXPENSES	1,975.00	
AIR TRAVEL DEPOSIT	425.00	
TOTAL		\$213,035.08

RESERVES

RESERVES:		
Employees Retirement and pension plan Fund	\$ 91,274.40	
Ordinary Fund	49,594.36	
Safety and Hygiene Fund	27,134.23	
Metallic Lead products Division Fund	25,451.78	
Pigments and Chemicals Division Fund (including appropriation for research, \$1,750.00)	4,230.17	
Industry Development Fund	15,742.00	
Ceramic Fund	(579.78)	
Radiation Shielding Fund	(85.00)	
TOTAL		\$213,035.08

() Denotes red figure.

NOTES:

- (1) The cost of furniture, fixtures, and equipment has been written off to expense.
- (2) The employees retirement and pension plan fund reserve is based on an actuarial report and covers both past service and current costs.

LEAD INDUSTRIES ASSOCIATION
 STATEMENT OF INCOME, EXPENSES, AND RESERVES
 FOR THE YEAR ENDED DECEMBER 31, 1956

	TOTAL	ORDINARY FUND	SAFETY AND HYGIENE FUND	METALLIC LEAD PRODUCTS DIVISION FUND	PIGMENTS AND CHEMICALS DIVISION FUND	INDUSTRY DEVELOPMENT FUND	CERAMIC FUND	RADIATION SHIELDING FUND	EMPLOYEES RETIREMENT AND PENSION PLAN FUND
INCOME:									
Membership assessments.....	\$164,561.91	\$96,675.66		\$ 6,428.25	\$ 4,072.00	\$57,810.00	\$15,000.00		\$ 9,671.28
Transfers between funds.....		(25,171.25)	\$20,000.00	23,000.00	9,500.00	(32,000.00)			2,641.22
Interest on savings bank deposits.....	2,780.27	99.05							
Sales of publications.....	1,177.30	118.69		1,062.70					
Total income.....	\$168,499.57	\$71,712.15	\$20,000.00	\$30,490.95	\$13,572.00	\$ 5,810.00	\$15,000.00		\$12,312.50
EXPENSES:									
Salaries.....	\$ 80,851.14	\$44,671.23	\$15,805.00	\$10,543.46	\$ 6,811.45		\$ 3,000.00		
Social security taxes.....	1,322.01	776.74	168.10	181.38	176.05				
Rent and light.....	10,294.29	10,294.29							
Office supplies.....	2,756.55	2,375.40	142.73	59.04	145.48		33.59		
Travel.....	13,330.18	4,325.06	1,367.95	5,722.52	1,723.87		172.66		
Association dues.....	718.16	173.41	140.50	27.50	123.75				
Entertainment and luncheons.....	1,675.97	550.79	347.98	72.23	39.51		17.50		
Meetings (net of fees \$1,995.00).....	1,719.83	1,050.07	17.00	430.36	150.39		61.81		
Telephone and telegraph.....	1,714.09	1,339.18	125.68	113.57	67.12		66.78		
Books and subscriptions.....	863.44	328.47	325.70	168.86	53.81		17.00		
Printing - net.....	1,946.28	467.71	342.30	1,082.37	36.90				
Mailing.....	2,445.21	1,532.94	327.66	397.54	156.87				
Moving expense.....	1,379.08	1,179.08							
Cost of publications:									
"Lead".....	12,873.83	8,072.92			2,081.51		719.00		
"Plumbers Lead Forum".....	1,653.53			1,653.53					
"Manual on Ceramics".....	11,049.06						11,049.06		
Building construction bulletin.....	5,978.52			5,978.52					
Red lead technical letters.....	1,794.75				1,794.75				
Conventions and exhibits.....	3,942.62			3,942.62					
Furniture and fixtures.....	1,401.33	1,401.33							
Illustrations.....	696.61	103.84	206.73	335.27	51.27				
Research and research materials.....	1,195.50		195.50		1,000.00				
Consultation fees.....	7,250.00	850.00		250.00	2,350.00		1,700.00	\$ 2,500.00	
Apprenticeship contest.....	436.27			436.27					
Miscellaneous.....	3,220.62	1,094.81	568.83	211.45	54.97		405.56	85.00	
Metal Powder Association - for rent, services, etc., to June 30, 1956.....	(8,000.00)	(8,000.00)							
Expenses - net.....	\$152,555.48	\$70,133.25	\$20,170.33	\$32,464.07	\$16,817.68		\$17,265.12		\$ 2,591.70
EXCESS OF INCOME (EXPENSES) FOR THE YEAR.....	\$ 5,944.09	\$11,578.90	\$ (170.33)	\$ (1,973.12)	\$ (3,245.68)	\$ 5,810.00	\$ (2,261.12)	\$ (2,581.75)	\$12,312.50
RESERVES, JANUARY 1, 1956.....	207,040.49	52,213.52	77,304.56	25,428.82	9,483.85	10,322.00	1,606.34	2,500.00	78,561.90
RESERVES, DECEMBER 31, 1956.....	\$212,984.58	\$63,792.42	\$77,134.23	\$23,455.70	\$ 6,238.17	\$15,742.00	\$ (476.78)	\$ (55.00)	\$91,274.40

() Denotes red figure.

April, 1957

MEMBERS OF THE LEAD INDUSTRIES ASSOCIATION

Allied Smelting Corp.	5116 W. Lincoln Ave.	Milwaukee 14, Wis.
Alpha Metals, Inc.	Box 34, Bergen Station	Jersey City 4, N.J.
The American Metal Co., Ltd.	61 Broadway	New York 6, N.Y.
American Smelting & Refining Co.	120 Broadway	New York 5, N.Y.
American Zinc, Lead & Smelting Co.	Paul Brown Bldg.	St. Louis 1, Mo.
The Anaconda Co.	25 Broadway	New York 4, N.Y.
The G.A. Avril Co.,	Langdon Farm Rd. &	
Lead Products Division	Seymour Ave.	Cincinnati 12, Ohio
Barr & Co., Inc.	Ashland & Lewis Sts.	Philadelphia 24, Pa.
* Broken Hill Associated Smelters		
Proprietary Ltd.	Collins House	Melbourne 11, Australia
* Broken Hill South, Ltd.	Box 194-C, G.P.O.	Melbourne, Australia
The Barker Hill Co.	660 Market St.	San Francisco 4, Cal.
Cambridge Smelting Co.	100 Pacific St.	Cambridge, Mass.
* Cerro de Pasco Sales Corp.	300 Park Ave.	New York 22, N.Y.
* The Consolidated Mining and Smelting	P.O. Box 1030	
Co. of Canada Limited	Place D'Armes	Montreal 1, Canada
Day Mines, Inc.		Wallace, Idaho
Dickson Weatherproof Nail Co.	Box 590	Evanston 4, Ill.
Dixie Lead Co.	P.O. Box 8625	Dallas, Tex.
E.I. duPont de Nemours & Co. Inc.		Wilmington 98, Del.
The Eagle-Picher Co.	American Bldg.	Cincinnati 1, Ohio
The Edlow Lead Co.	P.O. Box 1936	Columbus 16, Ohio
The Electric Storage Battery Co.	Box 8109	Philadelphia 1, Pa.
Ethyl Corp.	100 Park Ave.	New York 17, N.Y.
Euston Lead Co. (The Glidden Co.)	500 Penn Ave.	Scranton 3, Pa.
Evans Lead Division (National Lead Co.)	Box 1467	Charleston 25, West Va.
Federated Metals Division of		
American Smelting & Refining Co.	120 Broadway	New York 5, N.Y.
Aaron Ferer and Sons Co.	101-19 S. 8 St.	Omaha 8, Neb.
* The Firestone Tire & Rubber Co.	Box F, Firestone Pk.	Akron 17, Ohio
The Flinn Lead Co., Inc.	52-01 - 31 Pl.	Long Island City 1, N.Y.
W. P. Fuller & Co.	301 Mission St.	San Francisco 19, Cal.
Gardiner Metal Co.	4820 S. Campbell Ave.	Chicago 32, Ill.
Glaser Lead Co., Inc.	31 Wyckoff Ave.	Brooklyn 27, N.Y.
Goldsmith Bros. Smelting & Refining Co.	111 N. Wabash Ave.	Chicago 2, Ill.

* Associate Member

April, 1957

MEMBERS OF THE LEAD INDUSTRIES ASSOCIATION

Hammond Lead Products, Inc.	5231 Hohman Ave.	Hammond, Ind.
Hecia Mining Co.		Wallace, Idaho
Hudson Smelting & Refining Co.	85-95 Hyatt Ave.	Newark 5, N.J.
Imperial Type Metal Co.	3400 Aramingo Ave.	Philadelphia 34, Pa.
International Smelting & Refining Co. (Anaconda Sales Co., Agents)	25 Broadway	New York 4, N.Y.
Knapp Mills, Inc.	23-15 Borden Ave.	Long Island City 1, N.Y.
Lead Products Co., Inc.	P.O.Box 1341	Houston 1, Tex.
Lucky Friday Silver-Lead Mines Co.		Wallace, Idaho
John R. MacGregor Lead Co.	4520 W. 15 St.	Chicago 23, Ill.
Mike Horse Mining & Milling Co.	620 Power Bldg.	Helena, Mont.
The Murdock Lead Products Co.	P.O.Box 5298	Dallas 2, Tex.
National Lead Co.	111 Broadway	New York 6, N.Y.
New Park Mining Co.		Kestley, Utah
* North Broken Hill, Ltd.	Box 1903-R, G.P.O.	Melbourne, Australia
The Okonite Co.		Passaic, N.J.
Olin Mathieson Chemical Corp.		East Alton, Ill.
Pend Oreille Mines & Metals Co.	Old National Bldg.	Spokane 8, Wash.
Pennsylvania Smelting & Refining Co.	3100 E. Ontario St.	Philadelphia 34, Pa.
Phelps Dodge Copper Products Corp.	300 Park Ave.	New York 22, N.Y.
Pevee Copper & Brass Inc., Foil Div.	196 Diamond St.	Brooklyn 22, N.Y.
River Smelting & Refining Co.	4195 Bradley Rd.	Cleveland 1, Ohio
Rochester Lead Works, Inc.	380 Exchange St.	Rochester 8, N.Y.
St. Joseph Lead Co.	250 Park Ave.	New York 17, N.Y.
Shattuck Denn Mining Corp.	120 Broadway	New York 5, N.Y.
Sipi Metals Corp.	1708-20 Elston Ave.	Chicago 22, Ill.
* Societe Miniere et Metallurgique de Penarroya	12 Place Vendome	Paris 1, France
Sunshine Mining Co.	115 N. Second St.	Yakima, Wash.
United Park City Mines Co.	Continental Bldg.	Salt Lake City 1, Utah
United States Smelting Refining and Mining Co.	57 William St.	New York 5, N.Y.
The Victory White Metal Co.	6100 Roland Ave.	Cleveland 27, Ohio
Hyman Wiener & Sons	5300 Hatcher St.	Richmond 5, Va.
Vulcan Lead Products Co.	1545 W. Pierce St.	Milwaukee 4, Wis.
Western Electric Co. Inc.	195 Broadway	New York 7, N.Y.
Western Lead Products Co.	4530 E. Pacific Way	Los Angeles 22, Cal.
White Metal Rolling & Stamping Corp.	80 Moultrie St.	Brooklyn 22, N.Y.
* The Zinc Corp. Ltd.	Box 384-D, G.P.O.	Melbourne, Australia

* Associate Member