

LEAD INDUSTRIES ASSOCIATION

420 LEXINGTON AVENUE

NEW YORK 17, N. Y.

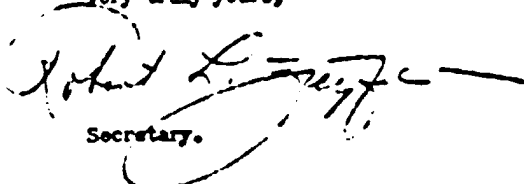
March 30, 1949

To Members of the Lead Industries Association:

SUBJECT: REPORT OF SECRETARY AND TREASURER

Enclosed please find Report of the secretary and treasurer for the Year 1948, to be presented at the Annual Meeting to be held on April 8, 1949, at the Drake Hotel, Chicago, Illinois.

Very truly yours,


Secretary.



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REPORT OF THE SECRETARY
Summarizing the Activities
of the
Lead Industries Association
For the Year 1948

MEMBERSHIP

During 1948 the Association welcomed four new regular members. They are: The Electric Storage Battery Co., of Philadelphia, Pa., large manufacturer of lead-acid storage batteries, Glaser Lead Co. of Brooklyn, N. Y., manufacturer of lead traps, bends and other lead products, Lead Products Co., of Houston, Texas, and Western Smelting and Refining Co., of Phoenix, Ariz., both smelters and refiners of soft and antimonial lead.

During the same period, and probably reflecting the revision of the By-Laws adopted in 1947 which became effective on January 1, 1948, increasing minimum membership subscriptions, three members resigned. They are: Crown Metal Co., Pacific Bridge Co., and Pittsburgh White Metal Co.

As of December 31, 1948, the Association listed 63 regular members and 7 associate members.

STATISTICS

The Association has always been desirous of minimizing the effort and expense of gathering and publishing its statistics consistent with provision of adequate and timely data. In doing so, however, it has been necessary to consider the fact that the membership includes companies with a variety of interests and producing a variety of products. Therefore, statistics which may seem superfluous to some members may be extremely useful to others. Timeliness is also a factor. In two instances Association statistics duplicate those published by another agency, but in both cases it has been felt wise to continue the Association's reports because they are issued at least a month earlier than those of the other agency.

For these reasons it has appeared wise to continue during the year the statistics published by the Association in the past. Two additional series of reports were initiated in 1948, neither of which require any additional reporting on the part of members. These provide all members with monthly mine production and mine labor supply data, broken down regionally.

Because available statistics on secondary lead are so delayed in publication, an attempt was made to devise a simple report which would show receipts of secondary smelters and could be issued promptly at the close of each month. While most members and a number of non-members were willing to contribute data for such a report, it was not possible to gain the support of enough to make the report thoroughly representative. Therefore, no such report was initiated.

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GOVERNMENT RELATIONS

The United States Government has continued to be a most important influence on the transaction of all business. Stockpiling, the European Recovery Program, tariffs and subsidies, among other things, have been matters requiring attention.

The Association has maintained constant liaison with the Munitions Board to provide it with full factual data with respect to the lead situation and to help in the formulation of stockpiling policies which will attain its objectives with the least disturbance of industry. Similar contacts are maintained with the Economic Cooperation Administration to aid in providing it with the most accurate data on which to base decisions relating to the lead supplies and requirements of E. C. A. countries and the United States.

Several bills were again introduced in the Congress to provide production subsidies for metal mines. Following the policy established a year earlier, the Association has consistently opposed legislation of the type introduced and exemplified by the Russell Bill. Such bills were favorably reported by the Committee on Public Lands of the House of Representatives and the Committee on Interior and Insular Affairs of the Senate. However, the legislation never reached the floor of the House and only reached the Senate floor (without hearings) in the closing hours of the session, where it was killed by adjournment.

A bill to suspend the import duty on lead until June 30, 1949, was passed by the Congress and approved by the President. The Executive Committee decided that the Association should take no stand on the measure at the time because of the stringent shortage of lead.

Other Government agencies with which it has been necessary to work closely for various reasons are the Army Ordnance Department, National Security Resources Board, Department of Commerce, U. S. Bureau of Mines, U. S. Geological Survey, Atomic Energy Commission, State Department, and the National Bureau of Standards.

Your secretary appeared as a witness before the National Resources Economic Subcommittee of the Senate Committee on Public Lands in February, 1948, to place the complete statistical picture of the lead industry on record and to make recommendations with respect to certain mineral policies under consideration. The Association also supplied certain data requested by the Subcommittee on Trade Policies of the Senate Committee on Interstate and Foreign Commerce in connection with its investigation of freight absorption. The data supplied was general statistical information about the industry and did not relate to pricing methods or prices, about which the Association has no information.

LEAD HYGIENE

In February, 1948, Mr. Manfred Bowditch, our new director of Health and Safety, began his full-time duties on the Association staff. A report of his activities was sent to all members on December 9, 1948.

Two successful meetings devoted in whole or in part to lead hygiene were conducted by the Association during the year. One of these was held in Chicago in November and consumed two full days. In addition to medical officers and others connected with member companies, it was open to guests on invitation. The proceedings are to be printed and distributed.

The other was a meeting sponsored by the Metallic Lead Products Division of the Association, held in New York in March, the morning session of which was devoted to lead hygiene. The proceedings were printed and distributed.

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Two research projects financed by grants from the Association continued during the year. One at Johns Hopkins Hospital, financed jointly with the Research Corporation by an earlier grant, is a search for an antidote for lead poisoning.

The other is at the Children's Hospital in Boston, studying lead poisoning and its diagnosis in children. A second grant was made in June for the conduct of this work, which will carry it to June, 1949.

The report of a study of lead poisoning in ship construction, maintenance and scrapping made by Dr. E. W. Brown, Captain, Retired, U. S. Navy Medical Corps, mentioned in last year's report of the secretary, was accepted for publication in OCCUPATIONAL MEDICINE, published by the Council on Industrial Health of the American Medical Association. It should appear soon.

The work also involved assistance in a number of cases wherein members brought lead hygiene problems, particularly among their customers, to our attention. It also involved even a larger number of similar instances arising outside the membership, an indication of the public relations nature of the work. These cases often involved correct diagnosis of lead poisoning or revealed misinformation on the subject.

Active contact was maintained with professional societies such as the American Public Health Association, American Industrial Hygiene Association, American Medical Association and others and several meetings of such organizations were addressed. Close watch has been kept on proposed legislation involving lead hygiene in the interest of sanity in any laws or regulations that are issued.

Nine Lead Hygiene and Safety Bulletins were issued from time to time throughout the year.

BULLETINS

Information Bulletins for members were issued twice during the year. Few Reconversion Bulletins were required in 1948 because of the freedom of lead from controls. Those issued dealt mainly with the related metals, tin and antimony, which are still under Government control.

PROMOTIONAL ACTIVITIES

Most of our promotional activities were conducted on a curtailed basis during 1948 because of the severe lead shortage. Yet the industry can not afford to underestimate the decided effect of the shortage and high price on efforts at substitution of other materials for lead and its products and the aid and comfort given competitive materials by the situation which prevailed in lead. With the considerable change experienced in the lead situation about the end of the year, it might be well for the industry again to take stock of its promotional activities.

WHITE LEAD PROGRAM

The White Lead Research Committee and the white lead advertising program were both dormant during 1948. Both, however, have funds in the treasury which can be drawn upon at any propitious moment.

The Educational Service Division continued to function throughout the year. It concentrated on paint study equipment for veterans' training and for trade schools training apprentice painters, while continuing to service equipment already installed in farm schools. The veterans' part of this program was virtually self-sustaining as the equipment was sold at cost. We again enjoyed the cooperation of the American Turpentine farmers Association. Cooperative in this program.

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Near the year end it became evident that conditions prevailing in the paint and white lead industries had caused manufacturing members of the Division to feel that the work should be discontinued. Consequently, a plan for liquidating the assets of the Division was worked out, the funds thus realized to be used to complete equipment under construction and to service existing equipment for at least another year. That plan was approved and is being carried out.

RED LEAD PROGRAM

A detailed report of this program was sent to all members of the Red Lead Division late in 1948. During the year a comprehensive atmospheric exposure program was initiated with test specimens being set out at five exposure sites in August. Plans were also laid for broad-scale publicity of the tests as they progress.

Considerable progress was made toward use of red lead by the Navy. The Association supplied red lead paint samples for two series of tests conducted by the Navy, one at Philadelphia and the other at Norfolk, which are now in progress.

Our cooperation with the Federal Specifications Board on a revised Federal specification for red lead paint was continued. The specification, which is satisfactory to our industry, has at last received approval of the Board and should be printed shortly.

A paper based on tests initiated by this Division in earlier years was prepared and presented before paint production clubs in Houston and Dallas, Texas, and Baltimore, Md. It has been submitted by those clubs for publication in the OFFICIAL DIGEST of the Federation of Paint and Varnish Production Clubs. An earlier paper based on other tests was rewritten and accepted for publication in MARINE ENGINEERING, although it has not yet appeared.

Personal contacts have been maintained with a number of Government agencies that specify and buy paint, as well as with numerous private companies who are large buyers and specifiers.

The Red Lead Technical Committee met a number of times during the year and has functioned smoothly and efficiently in planning and conducting the technical work of this Division.

METALLIC LEAD PRODUCTS PROGRAM

A detailed report of this program was provided members of the Metallic Lead Products Division late in 1948. High prices and shortages were responsible for intensive efforts in many communities to substitute other materials for lead in plumbing and water distribution systems and increased efforts on the part of our competitors. We have attempted to meet this heavy pressure wherever possible and appear so far to have been successful in resisting important permanent losses of lead markets.

With the cooperation of members and the U. S. Department of Labor, a program to provide plumbers' apprentice training classes with lead materials at reduced cost was developed and is now in operation. It has had an enthusiastic reception by the trade and should be an important step toward assuring an adequate supply of skilled lead workers who can use our products.

Our representatives have served on several national standard code committees and have prevented any discrimination against lead in the standard codes developed. One of these will soon be issued under the auspices of the American Standards Association. Another has been issued by the Federal Home Finance and Housing Agency.

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That Government agency used a lead exhibit prepared by us as a display to demonstrate its code to building officials from all over the country. The Association has prepared adaptations of these standard codes for the use of any city planning to adopt them. These adaptations provide for lead installations instead of the wide variety of materials necessarily permitted by broad standard codes.

In the chemical construction field, several articles on the performance of lead in contact with certain corrosives were prepared for publication in the Corrosion Forum section of CHEMICAL ENGINEERING. A paper was also prepared on lead in chemical equipment and has been accepted for presentation at the 1949 annual meeting of the National Association of Corrosion Engineers.

Investigations were made of the performance of lead and other materials in several chemical processes and findings reported to members in our Chemical Bulletins.

Only one issue of PLUMBERS' FORUM was published during the year but several articles were prepared for outside publications and a member of the staff served on the committee preparing the lead section for the new WELDING HANDBOOK of the American Welding Society.

This Division sponsored a one-day meeting in New York in March devoted to lead hygiene and the lead market outlook. The meeting was successful beyond anticipations.

At a meeting of Division members in December, it was decided to curtail Association promotional activities in 1949 because of the tight lead situation and to operate only on the balance on hand at the year end. It was, however, felt that this decision should be reviewed during the first half of 1949 as changing conditions might warrant a different decision.

GENERAL PROMOTION

In recognition of the lead shortage our publication LEAD was issued only twice during the year as a matter of good-will and to keep the thought of lead in the minds of users and potential users. Each issue always results in a large number of inquiries, many being requests for technical information and assistance.

MISCELLANEOUS ACTIVITIES

The secretary addressed the annual meetings of the Colorado Mining Association and the Idaho Mining Association, the main objectives of these addresses being to maintain our friendly relations with these western mining organizations and to acquaint their members with the situation prevailing in the lead consuming industries and the need for maximum production of lead. The secretary or members of the staff also attended meetings of many technical and trade organizations during the year to keep abreast of developments pertaining to lead and its use and to have personal contact with as many lead producers and consumers as possible. These included such organizations as American Society for Testing Materials, American Society for Metals, American Institute of Mining and Metallurgical Engineers, National Association of Corrosion Engineers and American Mining Congress.

Statements outlining the lead and lead pigment supply situation were prepared at intervals at the request of the National Paint, Varnish and Lacquer Association for use in their publications sent to members. A statement on the lead situation was also prepared for use at the annual meeting of the Association of American Battery Manufacturers. The annual review article on lead was written for ENGINEERING AND MINING JOURNAL and data supplied to other publications for review issues.

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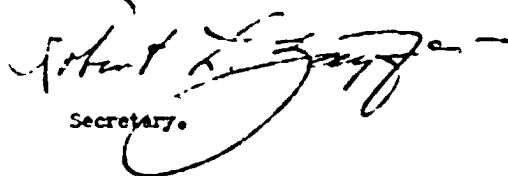
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Many members make frequent use of the Association's facilities to obtain information not otherwise readily available. Sometimes it involves statistics, sometimes technical data, and sometimes general information. In this connection, I should like to urge members to make full use of the Association not only in its routine activities but where it may be of assistance in special cases. It is our earnest desire to be as helpful as possible to the members, public and government in any reasonable way that we can.

Industry is faced with ever increasing problems resulting from the international situation and economic and political trends. An association such as ours, embracing both producers and consumers, large and small alike, each with an equal voice in its affairs, is peculiarly well equipped to help its members meet many of these problems. Every member is urged to make use of the Association not only in the ways previously mentioned but also as a medium wherein these problems can be thrashed out and the best solutions found in the interest of all segments of the industry.

I wish to thank every member for the loyal support the Association enjoys and for the cooperation we receive from them. I also want to welcome the new members who contribute to the Association's continued growth despite the fact that it is now in its twenties when it might be expected already to have attained its full growth. The Board of Directors and Executive Committee have given freely of their time and counsel and deserve the whole-hearted appreciation of the membership. And, finally, I want to call attention to the conscientious service performed by the members of the Association staff.

Respectfully submitted,



Secretary.

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The Treasurer respectfully submits the report of the audit of the accounts of the Association as of December 31, 1948, by Maskins & Sells, as follows:

MASKINS & SELLS
Certified Public Accountants

1 East 84th Street
New York 17, N. Y.

ACCOUNTANTS' CERTIFICATELead Industries Association:

We have examined the Balance sheet of Lead Industries Association as of December 31, 1948 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, 1948 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) MASKINS & SELLS

New York,
March 9, 1949.

LEAD INDUSTRIES ASSOCIATIONBALANCE SHEET, DECEMBER 31, 1948A S S E T S

CASH.....	\$ 90,687.25
OBLIGATIONS OF THE UNITED STATES At cost:	
Certificates of Indebtedness, 1 1/8%, Due June 1, 1949.....	34,000.00
Savings note, series C, Due June 1, 1950.....	50,000.00
ACCOUNT RECEIVABLE - ordinary fund contribution.....	100.00
ADVANCES FOR TRAVEL EXPENSES.....	2,500.00
AIR TRAVEL DEPOSIT.....	875.00
TOTAL.....	\$177,812.25

LI A B I L I T I E S

ACCOUNTS PAYABLE.....	\$ 1,840.00
APPROPRIATION FOR PROPOSED BOOK - Red Lead Division.....	5,500.00
RESERVES:	
General Program Fund.....	845,776.00
Ordinary Fund.....	66,799.75
Safety and Hygiene Fund.....	2,953.68
Educational Service Division Fund.....	4,066.02
White Lead Research Division Fund.....	10,824.00
Red Lead Division Fund.....	1,231.50
Metallic Lead Products Division Fund.....	11,190.00
Sheet Lead Division Fund.....	3,002.00
Southern Educational Service Division Fund.....	1,807.21
Reserve for New Book.....	8,000.00
TOTAL.....	\$170,652.25
	\$177,812.25

NOTE: The cost of furniture, fixtures, automobiles, and equipment has been written off to expense.

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LEAD INDUSTRIES ASSOCIATION

STATEMENT OF INCOME, EXPENSES, AND RESERVES
FOR THE YEAR ENDED DECEMBER 31, 1948

	TOTAL	GENERAL PROGRAM FUND	ORDINARY FUND	SAFETY AND HYGIENE FUND	EDUCATIONAL SERVICE DIVISION FUND	WHITE LEAD RESEARCH DIVISION FUND	RED LEAD DIVISION FUND	METALLIC LEAD PRODUCTS DIVISION FUND	SHEET LEAD DIVISION FUND	SOUTHERN EDUCATIONAL SERVICE DIVISION FUND	RESERVE FOR NEW BOOK
INCOME:											
Membership assessments for 1948.....	\$112,633.30		\$65,684.50				\$ 7,448.00	\$29,431.00		\$10,000.00	
Transfers between funds.....		-\$13,000.00	-2,000.00	\$ 2,000.00	\$13,000.00						
Interest on obligations of the United States.....	411.25	411.25									
Sale of books printed in prior years.....	3,444.35				3,444.35						
Sale of automobile.....	1,750.00				1,750.00						
Total income.....	\$118,243.10	\$11,411.25	\$63,684.50	\$ 2,000.00	\$18,194.35		\$ 7,448.00	\$29,431.00		\$10,000.00	
EXPENSES:											
Salaries.....	\$ 82,103.97		\$39,393.35	\$ 9,166.70	\$10,210.00		\$ 8,533.92	\$10,177.50		\$ 4,612.50	
Rent and light.....	4,944.00		4,370.50		593.50						
Telephone and telegraph.....	2,823.66		1,447.81	252.39	482.13		270.94	109.30		230.70	
Stationery and office supplies.....	2,484.06		1,052.24	164.52	965.30						
Travel expense.....	25,521.50		5,907.12	1,921.52	5,950.84		2,200.40	7,104.60		2,674.22	
Entertainment, luncheons, etc.....	3,595.13		1,366.91	155.43	419.53		645.14	471.33		514.30	
Research and research material.....	3,470.21			1,300.00			2,370.21				
Printing.....	12,264.08		752.57	1,163.74	9,018.04		1,351.71				
Sale of books printed.....	-6,964.25				-6,964.25						
Illustrations.....	860.91		139.06		117.07		100.04	271.35		143.39	
Mailing expense.....	3,751.64		1,704.64	154.53	968.13		701.67	220.07			
Cost of publications:											
Lead.....	3,946.19		3,946.19								
Plumbers' Lead Forum.....	1,641.56							1,641.56			
Association dues.....	644.05		311.55	118.30				234.00			
Social security taxes.....	972.15		600.13	30.00	72.00		81.00	147.76		81.24	
Books and subscriptions.....	779.53		455.18	140.05			104.30				
Furniture, fixtures, and office equipment.....	461.11		461.11								
Conventions and exhibits.....	1,475.54				519.00			954.54			
Meetings.....	3,942.70		809.04	2,439.20				638.54			
Film equipment, cabinets, etc.....	1,269.63				345.30					1,024.33	
Sale of film slide equipment.....	-721.17				-721.17						
Awards.....	565.00			500.00	65.00					443.00	
Consultation fees.....	1,340.00						440.00				
Miscellaneous.....	8,035.18	\$ 25.00	1,039.23	964.18	503.73		348.48	737.22		410.00	
Metal Powder Association - for services, etc.....	2,000.00										
Total expenses - net.....	\$15,458.14	\$ 25.00	\$40,336.15	\$ 2,653.45	\$21,568.47		\$17,548.63	\$22,780.77		\$10,119.25	
EXCESS OF INCOME (EXPENSES) FOR THE YEAR.....	\$102,784.96		\$23,348.35	\$ 2,346.55	\$ 6,625.88		\$ 8,899.37	\$ 6,250.23		\$ 9,880.75	
RESERVE AT BEGINNING OF YEAR.....	200,518.31		93,551.84	\$ 2,112.41	\$ 7,112.75	\$10,074.00	\$ 8,577.11	\$ 3,002.00	\$ 1,700.00	\$ 1,700.00	\$4,000.00
Total.....	\$175,453.25		\$117,778.19	\$ 2,653.45	\$ 13,738.63	\$ 20,148.00	\$ 17,476.48	\$ 9,254.23	\$ 3,402.00	\$ 2,900.00	\$8,000.00
APPROPRIATION FOR PROPOSED BOOK - RED LEAD											
DIVISION.....	5,300.00						5,300.00				
RESERVE AT END OF YEAR.....	\$170,153.25		\$117,778.19	\$ 2,653.45	\$ 13,738.63	\$ 20,148.00	\$ 12,176.48	\$ 3,954.23	\$ 3,402.00	\$ 2,900.00	\$4,000.00

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April, 1949

MEMBERS OF THE LEAD INDUSTRIES ASSOCIATION

Alpha Metals, Inc.	363 Hudson Ave.	Brooklyn 1, N.Y.
The American Metal Co., Ltd.	61 Broadway	New York 6, N.Y.
American Smelting & Refining Co.	120 Broadway	New York 5, N.Y.
Bers & Company, Inc.	Ashland & Lewis Sts.	Philadelphia 24, Pa.
*Broken Hill Associated Smelters Proprietary Ltd.	Collins House	Melbourne 41, Australia
*Broken Hill South, Ltd.	Box 194-C, G.P.O.	Melbourne, Australia
Bunker Hill & Sullivan Mining and Concentrating Co.		Kellogg, Idaho
Cambridge Smelting Co.	100 Pacific St.	Cambridge, Mass.
*Cerro de Pasco Copper Corp.	40 Wall St.	New York 5, N.Y.
Chief Consolidated Mining Co.		Eureka, Utah
*The Consolidated Mining and Smelting Company of Canada, Ltd.	215 St. James St. W	Montreal 1, Canada
Day Mines, Inc.		Wallace, Idaho
Dickson Weatherproof Nail Co.	P.O. Box 550	Evanston 4, Ill.
Division Lead Co.	836 W. Kinzie St.	Chicago 22, Ill.
E. J. duPont de Nemours & Co., Inc.		Wilmington 58, Del.
The Eagle-Picher Co.	American Bldg.	Cincinnati 1, Ohio
The Electric Auto-Lite Co.	P.O. Box 931	Toledo 1, Ohio
The Electric Storage Battery Co.	Allegheny Ave. & 419 St.	Philadelphia 32, Pa.
Ethyl Corporation	405 Lexington Ave.	New York 17, N.Y.
Euston Lead Co. (The Glidden Co.)	500 Penn Ave.	Scranton 3, Pa.
Evans Lead Div. (National Lead Co.)	P.O. Box 1167	Charleston 25, W.Va.
Evans Metal Co.	P.O. Box 97, No. Side	Atlanta, Ga.
Federal Mining & Smelting Co.	120 Broadway	New York 5, N.Y.
Federated Metals Division of American Smelting & Refining Co.	120 Broadway	New York 5, N.Y.
*The Firestone Tire & Rubber Co.	Box F, Firestone Park	Akron 17, Ohio
The Flamm Lead Co., Inc.	Brasley Ave. & School	Long Island City 1, N.Y.
W. P. Fuller & Co.	301 Mission St.	San Francisco 19, Cal.
Gardiner Metal Co.	1920 S. Campbell Ave.	Chicago 32, Ill.
General Lead Manufacturing Co.	2132 Market St.	Denver 2, Colo.
Glaser Lead Co., Inc.	31 Wyckoff Ave.	Brooklyn 27, N.Y.
Goldsmith Bros. Smelting & Refining Co.	58 E. Washington St.	Chicago 2, Ill.
Hammond Lead Products Inc.	First Trust Bldg.	Hammond, Ind.
Hecla 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.
The Johnston Pail Manufacturing Co.	6016-6120 S. Broadway	St. Louis 11, Mo.
Kahn Brothers	785 Humboldt St.	Brooklyn 22, N.Y.
The Kansas City Smelting & Mfg. Co.	2215-2300 Quinette St.	Kansas City 1, Mo.
Knapp Mills, Inc.	121 Broad St.	New York 4, N.Y.
Lead Products Co.	709 N. Velasco	Houston 3, Tex.
John R. MacGregor Lead Co.	4520 W. 15th St.	Chicago 23, Ill.
Metals Refining Co. (The Glidden Co.)		Hammond, Ind.
Metro Smelting Co.	Ontario & Bath Sts.	Philadelphia 34, Pa.
Mike Horse Mining & Killing Co.	620 Power Bldg.	Helena, Mont.
National Lead Co.	111 Broadway	New York 6, N.Y.

*Associate Member.

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New Park Mining Co.	Marine Terminal	Kootley, Utah
North American Smelting Co., Inc.	Box 1903-R, G.P.O.	Wilmington 83, Dela.
*North Broken Hill, Ltd.	2700 16th Ave., S.W.	Melbourne, Australia
Northwest Lead Company		Seattle 4, Wash.
The Okonite Co.		Passaic, N.J.
Park Utah Consolidated Mines Co.	Continental Bank Bldg.	Salt Lake City 1, Utah
Phelps Dodge Corp.	40 Wall St.	New York 5, N.Y.
River Smelting & Refining Co.	4195 Bradley Road	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.
Silver King Coalition Mines Co.	1010 Kearns Bldg.	Salt Lake City 1, Utah
Silverstein & Pinsof, Inc.	1708-1720 Elston Ave.	Chicago 22, Ill.
Standard Rolling Mills, Inc.	143 Jewell St.	Brooklyn 22, N.Y.
Sunshine Mining Co.	115 N. Second St.	Yakima, Wash.
Tintic Standard Mining Co.	Walker Bank Bldg.	Salt Lake City 1, Utah
United American Metals Corp.	196 Diamond St.	Brooklyn 22, N.Y.
United States Smelting Refining and Mining Co., Inc.		
The Victory White Metal Co.	57 William St.	New York 5, N.Y.
Hyman Wiener & Sons	1205 Main St.	Cleveland 13, Ohio
Vulcan Lead Products Co.	5300 Hatcher St.	Richmond 5, Va.
The Wensley Metal Products Co.	1545 W. Pierce St.	Milwaukee 4, Wis.
Western Electric Co., Inc.	1445 Osage St.	Denver 2, Colo.
White Metal Rolling & Stamping Corp.	195 Broadway	New York 7, N.Y.
Winchester Repeating Arms Co.	80 Noultrie St.	Brooklyn 22, N.Y.
*The Zinc Corp., Ltd.	Box 384-D, G.P.O.	New Haven 4, Conn.
		Melbourne, Australia

*Associate Member.