PLAINTIFF'S EXHIBIT

IHF-458

PROCEEDINGS
OF SPECIAL MEETING

OF

AIR HYGIENE FOUNDATION OF AMERICA, INC.

NOVEMBER 30, 1937

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On the one hand, interested scientists would be spared in large part service as salesmen to secure necessary financial support for their investigations. (Bear in mind what has been said about local service, or services or studies carried on by or for specific industries or groups.) These specialists would be able to devote all their attention to constructive effort.

Industry, on the other hand, through its executives, would be able to keep in close touch with the program as a whole as well as with parts that might be of special or immediate interest, and this connection would accelerate the progress by thus getting a maximum return for the money spent in research. Industry should definitely pool its interests, helping in the formulation of the program, and supplying the necessary sinews of war. Science will cooperate to the full in solving the problems of industry, if industry is a part of the army in the field and is prepared for a vigorous attack.

Air Hygiene Foundation of America, Inc.

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REPORT OF MANAGING DIRECTOR

Membership

At the time of the membership meeting of November 25, 1936, there were in Air Hygiene Foundation 23 company members and 11 association members, a total of 34. At that meeting new regulations regarding membership and the scale of fees and dues now in effect were presented and adopted. Today there are 192 concerns supporting the Foundation in its efforts to help remedy certain occupational ills. This support is derived from the various industries in the following proportions:

Classification by Industries	No. of Members	% of Membership	% of Foundation's Income in 1937
1. Grinding Wheel and Abrasives	40	20.2	8.5
2. Steel and Metals	15	7.8	13.9
3. Mining, Smelting, Refining (Coal and Ore included)	20	10.4	20.8
4. Foundry and Foundry Supply	14	7.3	3.6
5. Machinery (Electrical, pumps, etc.)	12	6.5	8.4
6. Refractories	18	9.3	6.5
7. Glass	11	5.7	10.1
8. Pottery, Clay, Ceramics	15	7.8	6.1
9. Quarrying, Sand, Stone Feldspar, Gypsum, etc.	23	11.9	5.1
10. Manufacturing (Asbestos, Safety equip., etc.)	11	5.8	5.4
11. Chemicals	9	5.2	9.9
12. Miscellaneous	4	2.1	1.7

During the year one company, in Group 8, resigned because of a misunderstanding as to the purposes of the Foundation.

Publications

The Foundation has published and distributed the following printed bulletins thus far in 1937:

Medical Series Bulletin No. 1, "Silicosis and Allied Disorders"; the manuscript for which was prepared in 1936.

Legal Series Bulletin No. 2, "A Critical Study of Provisions for Occupational Disease Legislation." This was discussed

by its author, Mr. Theodore C. Waters, at the meeting in November last.

Supplement No. 1 to Legal Series Bulletin No. 1, which brought the statutes and court decisions with respect to occupational disease down to March 1, 1937.

Supplement No. 2 to Legal Series Bulletin No. 1, bringing the information down to September 1, 1937, was distributed to members last week.

Proceedings of the Annual Meeting of February 9, 1937.

Abstracts of current literature. Bulletins have been issued monthly, beginning in January, 1937. To date, 588 abstracts have been sent to members. The practical value of these abstracts is indicated by the popular demand and favorable response they have evoked.

A bulletin, "Concentrations of Volatile Sulphur Compounds in Atmospheric Air." This reported the results of a special study conducted, under supervision of the Foundation, for a group of members who defrayed the actual cost of the investigation.

In press: "Compensation Legislation—A Critical Review." A summary of this will be presented today by its author, Mr. Theodore C. Waters.

Projected: A series (monthly) of articles on pertinent engineering subjects, and a series of medical aspects of industrial disease problems. The Chairmen of the committees concerned will tell more about these in their reports.

Advisory Service to Members

A major research, arranged and supervised by the Foundation for a group of its members, was completed on October 15th. This was the study of concentrations of volatile sulphur compounds mentioned above.

During the year several short time studies were conducted for members.

In a number of cases, advice was given as to plant surveys, and, where indicated, companies were put in direct touch with physicists, engineers and physicians who not only were qualified to make such surveys, but who could testify in claim cases. In two instances, where member companies wished to develop their own survey units, preliminary training in sampling and dust counting was given to selected individuals. This type of service is growing.

There was also rendered a number of minor services, in the way of advice through the Foundation's technical committees—as any organization such as this might expect. This advice has ranged from where to get a published article to

how to establish and operate a department of industrial hygiene.

Research

As might have been anticipated, because of the changes in regulations regarding membership and the adoption of a sliding scale of dues, the first part of the year was spent in interesting industrial organizations to affiliate with the Foundation. This action was necessary to determine what the income would be.

In the latter part of the year, however, a start was made on the research program. Work is now going forward at The Saranac Laboratory and at the University of Pennsylvania. Research will also be undertaken at Harvard University, arrangements having been made and an account opened at that institution, when specific problems have been selected from among those being considered and when Professor Drinker has determined who will be the incumbents of the two fellowships. Dr. Gardner will tell of the program at The Saranac Laboratory and Dr. Warren of that at the University of Pennsylvania. As these gentlemen report, it will be noticed that the Foundation is endeavoring to put into practice that which it advocates, namely, avoidance of unnecessary duplication of effort. In these two instances, advantage is being taken of a great deal of investigational work already done, and the Foundation's support is for research to go forward from there.

A study of anthracosis in the Pittsburgh district, which Dr. Samuel R. Haythorn and others, including the speaker, have been carrying on, was advanced during the year. Several papers have been published. In this work the Foundation has been cooperating, but has assumed no financial obligation.

Cooperation With Other Organizations

The question has been raised several times as to the relationship the Foundation bears to other agencies in the field.

The U. S. Public Health Service and the U. S. Bureau of Mines are represented on the Foundation's Board of Trustees. There is an agreement that, if data gathered by the Foundation at any time should indicate that standards along some particular line should be set, the data will be sent to the American Standards Association, whose specific function it is to determine and promulgate such standards. There is no direct affiliation with any other organizations, but whenever there is an opportunity the Foundation cooperates in matters

Members of Air Hygiene Foundation, as of Nov. 30, 1937

Abingdon Sanitary Manufacturing Company
Abrasile Company
Abrasive Mining & Manufacturing Company
Abrasive Products Company
Allegheny Steel Company
Aluminum Company of America
American Abrasive Company
American Air Filter Company
American Brake Shoe and Foundry Company
American Emery Wheel Works
American Laundry Machinery Company
American Mining Congress
American Potash & Chemical Company
American Refractories Institute
American Smelting & Refining Company
American Zinc Institute
American Zinc, Lead & Smelting Company
Anaconda Copper Mining Company
Asbestos Fibre Spinning Company
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Attapulgus Clay Company
Automobile Manufacturers Association
Frank Bancroft Company
Barre Granite Association
Bartlett-Collins Company
C. O. Bartlett & Snow Company
Bay State Abrasive Products Company
Bird Archer Company
Bird & Son
Black Products Company
Blaw-Knox Company
Bridgeport Safety Emery Wheel Company
Brockway Glass Company, Inc.
Buck Glass Company
Buckeye Products Company
Bunker Hill & Sullivan Mining & Concentrating Company
The Carborundum Company
Central Pa. Coal Producers Association
Central Silica Company
Chicago Wheel & Manufacturing Company
Climax Molybdenum Company
Consolidated Feldspar Corporation
Copperweld Steel Company
Corhart Refractories Company
Corning Glass Works
Cortland Grinding Wheels Corporation
Deckers Creek Sand Company
Denver Fire Clay Company
A. P. deSanno & Son, Inc.
Detroit-Star Grinding Wheel Company
Diamond Alkali Company
E. F. Drakenfeld Company
Drake Corporation
E. I. duPont deNemours & Company
Eagle Picher Lead Company
Ethyl Gasoline Corporation
Eureka Flint & Spar Company
Exolon Company
Feldspar Milling Company
Findley Clay Products Company
Firth Sterling Steel Company
Flintkote Company
Foundry Supply Manufacturers Association
Foote Mineral Company
Gaffe Corporation
General Abrasive Company
General American Transportation Company
General Grinding Wheels Corporation
General Refractories Company
Genesee Feldspar Company
Gladding, McBean Company
Glass Container Association
Glenshaw Glass Company
Golding-Keene Company
Goulds Pumps, Inc.
Granite City Steel Company
A. P. Green Fire Brick Company
Grinding Wheel Manufacturers Association
Gypsum Association
The Hall Company
Hamilton Emery & Corundum Company
Hampden Grinding Wheel Company
Harbison-Walker Refractories Company
Harrisburg Steel Company
Hecla Mining Company
Hercules Mining Company
John W. Higman Company
The Hill & Griffith Company
Idaho-Maryland Mines Corporation
Illinois Clay Products Company
Industrial Silica Corporation
Institute Boiler & Radiator Mfrs.
International Nickel Company
Jamison Coal and Coke Company
Johns-Manville Corporation
Keasbey & Mattison Company
Keystone Emery Mills
Kimble Glass Company
Edwin M. Knowles China Company
Laclede-Christy Clay Products Company
Homer Laughlin China Company
Lava Crucible Company of Pittsburgh
E. J. Lavino & Company
Lead Industries Association
Libbey-Owens-Ford Glass Company
Los Angeles Chamber of Commerce
Macklin Company
Magma Copper Company
Mathieson Alkali Works, Inc.
Mayer China Company
J. S. McCormick Company
Metals Refining Company
Mexico Refractories Company
Michigan Alkali Company
Mid-West Abrasive Company
Mine Safety Appliances Company
Mississippi Glass Company
Monsanto Chemical Company
Mutual Chemical Company
National Crushed Stone Association
National Feldspar Association
National Grinding Wheel Company
National Industrial Sand Association
National Lead Company
New Castle Refractories Company
North American Refractories Company
North Carolina Feldspar Corporation
Norton Company
S. Obermayer Company
Ottawa Silica Company
Owens-Illinois Glass Company
Peninsular Grinding Wheel Company
Penn-Rillton Company
Pennsylvania Glass Sand Corporation
Charles B. Pettinos
Phelps Dodge Corporation
Pittsburgh Clay Pot Co.
Pittsburgh Coal Company
Pittsburgh Plate Glass Company

Pittsburgh Silica Sand Company
Portsmouth Refractories Company
Precision Grinding Wheel Co., Inc.
Quigley Company
Raybestos-Manhattan Company
Rialto Mining Company
H. H. Robertson Company
Safety Grinding Wheel & Machine Co.
Claude B. Schneible Company
Seaboard Feldspar Company
Sebring Pottery Company
Shenango Furnace Company
Simonds Worden White Company
Simplex Engineering Company
Smith Facing & Supply Company
Solvay Process Company
Southern Ferro Alloys Company
St. Joseph Lead Company
Standard Abrasive Wheel Company
Standard Sanitary Manufacturing Co.
Sterling Grinding Wheel Company
Frederick B. Stevens, Inc.
Stockton Fire Brick Company
Superior Flake Graphite Company
The Taylor, Smith & Taylor Company
Chas. Taylor Sons Company
Titan Abrasives Company
Trenton Potteries, Inc.
Tri-State Zinc & Lead Ore Producers Association
Union Carbide Company
United Feldspar Corporation
United States Graphite Company
United States Potters Association
United States Smelting, Refining & Mining Co.
United States Steel Corporation
Universal Sanitary Manufacturing Company
Valley Mould & Iron Company
Vitreous China Plumbing Fixtures Association
Vitrified Wheel Company
Waltham Grinding Wheel Company
Washington Mills Emery Manufacturing Company
Wedron Silica Company
Weil-McLain Company
West Company
Western Electric Company
Westfield Grinding Wheel Company
Westinghouse Air Brake Company
Westinghouse Electric & Manufacturing Company
Whitehead Brothers Company
Wilson Products, Inc.
Wisconsin Abrasive Company
Wolf's New Process Abrasive Wheel, Inc.
F. J. Woodison Company
Worth Steel Company
Youngstown Sheet & Tube Company