

A F F I D A V I T

CITY OF PITTSBURGH

)

) ss

STATE OF PENNSYLVANIA

)

BEFORE ME, a Notary Public in and for the State of Pennsylvania personally appeared James E. Bobick, who stated under due oath of law as follows:

I, James E. Bobick, am a librarian for the Carnegie Library in Pittsburgh, Pennsylvania. The Carnegie Library contains original volumes of the publications and proceedings of the Air Hygiene Foundation of America, Inc., the Industrial Hygiene Foundation of America, Inc., and the Industrial Health Foundation, Inc.

Attached hereto are 3 pages which are true and correct copies of the publications and proceedings of THE

INDUSTRIAL HYGIENE FOUNDATION OF
AMERICA, INC., NOV. 20, 1947.

The attached pages are THE TITLE PAGE, LIST
OF MEMBERS AND LIST OF SPECIAL
SUBSCRIBERS.

These documents are in such condition as to raise no suspicion concerning their authenticity; these documents are presently in

the archives of the Science and Technology Section of the Carnegie Library, Pittsburgh, Pennsylvania; these documents have been in existence for twenty (20) or more years.

James E. Bobick, Affiant, being first duly sworn, deposes and says:

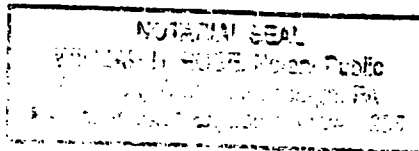
That the foregoing statements are true.

James E. Bobick

SUBSCRIBED AND SWORN TO BEFORE ME on this the 12 day of November, 1992.

William H. Rose
NOTARY PUBLIC

My Commission Expires:



TRANSACTIONS
of
TWELFTH ANNUAL MEETING
of
INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.
NOVEMBER 20, 1947

AS
112-12
14-7-12

MEMBERS OF INDUSTRIAL HYGIENE FOUNDATION

-- A --

Abingdon Potteries, Inc.
Abrasive Division, U.S. Rubber Company
Abrasive Grain Association
Abrasive Products Company
Allegheny Ludlum Steel Corporation
Allegheny Pittsburgh Coal Company
Allis-Chalmers Manufacturing Company
Aluminum Company of America
Amalgamated Anthracite Collieries, Ltd.
American Abrasive Company
American Air Filter Company, Inc.
American Brake Shoe Company
American Can Company
American Cyanamid Company
American Emery Wheel Works
American Iron & Steel Institute
American Mining Congress
American Optical Company
American Radiator & Standard
Sanitary Corporation
American Refractories Institute
American Smelting & Refining Company
American Wheelabrator & Equipment Co.
American Zinc Institute
American Zinc, Lead & Smelting Company
Anaconda Copper Mining Company
Anthracite Institute*
Arrow Mutual Liability Insurance Company
Assn. of Casualty & Surety Companies*
Atlas Powder Company
Austin Motor Company, Ltd.
Automobile Manufacturers Association

-- B --

Ball Brothers Company
Bartlett-Collins Company
Bay State Abrasive Products Company
Bethlehem Steel Company, Inc.
Bird & Son, Inc.
Bituminous Casualty Corporation
Bridgeport Safety Emery Wheel Company
Brush Beryllium Company
Bunker Hill & Sullivan Mining &
Concentrating Company

* Multiple Membership

-- C --

The Carborundum Company
Caterpillar Tractor Company
Central Silica Company
Chicago Wheel & Manufacturing Company
Robert F. Coleman, Inc.
The Colorado Mining Association
Consolidated Mining & Smelting Company
of Canada, Ltd.
Cooper-Bessemer Corporation
Corhart Refractories Company
Corning Glass Works
Cortland Grinding Wheels Corporation
Crucible Steel Company

-- D --

Davison Chemical Corporation
Deckers Creek Sand Company
A. P. DeSanno & Son, Inc.
Detroit-Star Grinding Wheel Division
Diamond Alkali Company
Dow Chemical Company
B. F. Drakenfeld Company
Dravo Corporation

-- E --

Eagle-Picher Company
Eastern Gas and Fuel Associates
Ebasco Services, Inc.
Electro Refractories & Alloys Corporation
Eljer Company
Ethyl Corporation
Eureka Flint & Spar Company, Inc.
Exolon Company

-- F --

The Falk Corporation
Federal-Mogul Corporation
Firestone Tire & Rubber Company
Firth Sterling Steel Company
H. E. Fletcher Company
Foote Mineral Company
Ford Motor Company
Foundry Supply Manufacturers Assn.
Frazier-Simplex, Inc.
Fuller Merriam Company
The Funkhouser Company

MEMBERS OF INDUSTRIAL HYGIENE FOUNDATION

-- G --

Garco Products, Inc.
Gardner Machine Company
General Abrasive Company, Inc.
General Ceramics & Steatite Corporation
General Electric Company
General Grinding Wheel Corporation
General Motors Corporation
General Refractories Company
Glenshaw Glass Company, Inc.
The Glidden Company
Godrej & Boyce Manufacturing Company
B. F. Goodrich Company
A. P. Green Fire Brick Company

-- H --

The Hall China Company
Hamilton Emery & Corundum Company
Hampden Grinding Wheel Company
Hawley Products Company
Hazel-Atlas Glass Company
Hercules Powder Company
John W. Higman Company
Mauricio Hochschild S. A. M. L.
O. Hommel Company

-- I --

Imperial Chemical Industries, Ltd.
Industrial Silica Corporation
Inland Steel Company
Interchemical Corporation
International Business Machines Corporation
International Nickel Company, Inc.

-- J --

Jackson Emery Mills
Jamison Coal & Coke Company
Johns-Manville Corporation
Jones & Laughlin Steel Corporation

-- K --

Kensley and Mattison Company
Kennecott Copper Corporation
Keystone Emery Mills Company, Inc.
Kimble Glass Company
The Kirk & Blum Manufacturing Company
Edwin M. Knowles China Company
Koppers Company

* Multiple Membership

-- L --

Homer Laughlin China Company
Lava Crucible Company of Pittsburgh
E. J. Lavino & Company
Lead Industries Association

-- M --

Mackintosh-Hemphill Company
Macklin Company
Magma Copper Company
Maryland Self-Insurers' Association
Mayer China Company
J. S. McCormick Company
Metropolitan Life Insurance Company
Mexico Refractories Company
Mid-West Abrasive Company
Mine Safety Appliances Company
Monsanto Chemical Company
Mutual Chemical Company of America

-- N --

National Association of Fan Manufacturers
National Association of Mutual Casualty
Companies*
National Crushed Stone Association, Inc.
National Grinding Wheel Company
National Industrial Sand Association
National Lead Company
National Pulverizing Company
National Sand & Gravel Association
National Slag Association
National Steel Corporation
National Supply Company
The Neville Company
New Jersey Pulverizing Company
New Jersey Zinc Company
North American Refractories Company
Norton Company
Norton Pike Company

-- O --

Ontario Mining Association
Oriental Abrasive Company
Ottawa Silica Company
Owens-Corning Fiberglas Corporation
Owens-Illinois Glass Company

— P —

Peninsular Grinding Wheel Company
Penn-Rillton Company
Pennsylvania Glass Sand Corporation
Phelps Dodge Corporation
Pittsburgh Coal Company
Pittsburgh Coke & Chemical Company
Pittsburgh Plate Glass Company
Portland Cement Association
Posture Research Institute
Powers X-Ray Products, Inc.
Precision Grinding Wheel Company, Inc.
The Pullman Company
Pyrene Manufacturing Company

— R —

Raybestos-Manhattan, Inc.
Republic Steel Corporation
Revere Copper and Brass, Incorporated
Rialto Mining Corporation
H. H. Robertson Company
Robertson Manufacturing Company

— S —

Safety First Supply Company
Sand Products Corporation
Claude B. Schneible Company
Scott Aviation Corporation
Sharon Steel Corporation
Shenango Furnace Company
Simonds Abrasive Company
Simonds Worden White Company
South West Box Company
St. Joseph Lead Company
Standard Lime & Stone Company
The Standard Ultramarine Company
Sterling China Company
Sterling Grinding Wheel Division
Sun Oil Company
Sun Sand Company
Sylvania Electric Products, Inc.

* Triple Membership.

— T —

Tata Industries, Ltd.
Taylor, Smith & Taylor Company
Tennessee Copper Company
Texas Gulf Sulphur Company
Titan Abrasives Company
Toledo Edison Company
Trenton Potteries Company

— U —

Union Asbestos & Rubber Company
Union Carbide & Carbon Corporation
United States Pottery Association
United States Smelting Refining & Mining Company
United States Steel Corporation of Del.
Universal Sanitary Manufacturing Company
Utilities Research Commission*

— V —

Valley Mould & Iron Corporation
Van Cleef Bros.
Vanadium Corporation of America
Vesuvius Crucible Company
Vitreous China Plumbing Fixtures Association
Vitrified Wheel Company

— W —

Waltham Grinding Wheel Company
Washington Mills Abrasive Company
Wedron Silica Company
Western Precipitation Corporation
Westfield Grinding Wheel Company
Westinghouse Air Brake Company
Westinghouse Electric Corporation
Whitehead Brothers Company
Willson Products, Inc.
Winthrop-Stearns, Inc.
Wisconsin Abrasive Company
Wolf's New Process Abrasive Wheel, Inc.

— Y —

Youngstown Sheet & Tube Company

UNITED STATES GOVERNMENT

Armed Forces

Army Medical Library
Bureau of Medicine & Surgery, Navy Dept.
Naval Air Station, Alameda, Calif.
Naval Air Station, Pensacola, Florida
Naval Gun Factory, Washington, D.C.
Naval Radiation Lab., San Francisco, Calif.
Navy Yard, Boston, Mass.
Navy Yard, Bremerton, Wash.
Navy Yard, Brooklyn, N.Y.
Navy Yard, Charleston, S.C.
Navy Yard, Mare Island, Calif.
Navy Yard, Pearl Harbor, Hawaii
Navy Yard, Philadelphia, Pa.
Navy Yard, Portsmouth, N.H.
Navy Yard, Portsmouth, Va.
Navy Yard, San Diego, Calif.
Navy Yard, San Francisco, Calif.
Navy Yard, San Pedro, Calif.
Office on Industrial Relations, Navy Dept.

Other Federal Agencies

Tennessee Valley Authority
U.S. Civil Service Commission
U.S. Public Health Service

Chicago San Francisco
New York Washington

STATE DEPARTMENTS OF HEALTH

Alabama	Montana
California	New Hampshire
Connecticut	New Jersey
Georgia	Ohio
Idaho	Oregon
Illinois	Pennsylvania
Indiana	Tennessee
Iowa	Utah
Kansas	Vermont
Kentucky	Virginia
Maryland	Washington
Michigan	West Virginia
Missouri	Wisconsin

Other State Agencies

New Jersey Department of Labor
New York Department of Labor
New York State Insurance Fund
New York State Library
Ohio Industrial Commission

CITY DEPARTMENTS OF HEALTH

Baltimore Detroit St. Louis

SPECIALISTS

Mr. T. J. Barry	Mr. J. H. Hobbs
Dr. Elston L. Belknap	Dr. R. T. Johnson
Dr. Charles Kemm Good	Dr. Hedwig S. K.
Dr. J. W. G. Hannon	Dr. Carey P. Mc
Dr. E. R. Hayhurst	Dr. C. O. Sapp

INSTITUTIONS AND OTHER ORGANIZATIONS

American Association of Industrial Physicians and Surgeons
Argonne National Laboratory
Carnegie Library of Pittsburgh
Health Institute of the UAW-CIO
Jefferson Medical College
Johns Hopkins University
New York Academy of Medicine
New York University
Safety Research Institute
University of California
University of Colorado
University of Rochester
University of Texas

FOREIGN COUNTRIES

Atkribolaget Nordiska Bokhandeln, Sweden
Boekhandel Kemink, Holland
Department of National Health and Welfare Library, Ottawa
G. W. Rogers, Regina, Saskatchewan
C. R. Ross, Halifax, Nova Scotia
L. P. Windish, Edmonton
Department of Health & Public Welfare, Winnipeg
Faculdade de Higiene, Sao Paulo, Brazil
Government Mining Engineer, Johannesburg, South Africa
Health Department, Wellington, New Zealand
I. C. I. of Australia & New Zealand, Ltd.
Industrial Health Research Board, London
International Labor Office
Montreal, Canada Geneva, Switzerland
Medical Research Council
London, England Cardiff, S. Wales
Ministry of Health, Quebec
Ministry of Labour & National Service, London
Oslo Arbeidsnemnd, Norway
Eidanger Salpeterfabriker, Norway
University of Sydney, Australia
Workmen's Compensation Board, Vancouver, B.C.

A F F I D A V I T

CITY OF PITTSBURGH

STATE OF PENNSYLVANIA

)
) ss
)

BEFORE ME, a Notary Public in and for the State of Pennsylvania personally appeared James E. Bobick, who stated under due oath of law as follows:

I, James E. Bobick, am a librarian for the Carnegie Library in Pittsburgh, Pennsylvania. The Carnegie Library contains original volumes of the publications and proceedings of the Air Hygiene Foundation of America, Inc., the Industrial Hygiene Foundation of America, Inc., and the Industrial Health Foundation, Inc.

Attached hereto are 6 pages which are true and correct copies of the publications and proceedings of THE AIR HYGIENE FOUNDATION OF AMERICA, INC., APRIL 1, 1937.

The attached pages are COVER PAGE, FOREWORD, REPORT OF MEETING HELD FEBRUARY 9, 1937, LIST OF BOARD OF TRUSTEES, LIST OF EXECUTIVE STAFF, LISTS OF MEDICAL, PREVENTIVE ENGINEERING, LEGAL AND MEMBERSHIP COMMITTEES, AND LIST OF MEMBERS AS OF 4-1-37.

These documents are in such condition as to raise no suspicion concerning their authenticity; these documents are presently in

the archives of the Science and Technology Section of the Carnegie Library, Pittsburgh, Pennsylvania; these documents have been in existence for twenty (20) or more years.

James E. Bobick, Affiant, being first duly sworn, deposes and says:

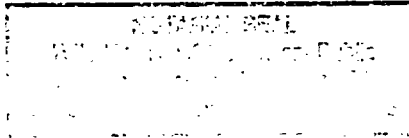
That the foregoing statements are true.

James E. Bobick

SUBSCRIBED AND SWORN TO BEFORE ME on this the 12 day of November, 1992.

William H. Rose
NOTARY PUBLIC

My Commission Expires:



Y 614.706

A.3

1-7

**AIR HYGIENE FOUNDATION OF
AMERICA, Inc.**



**PROCEEDINGS OF ANNUAL MEETING
AND
RESEARCH PROGRAM**

PITTSBURGH, PENNSYLVANIA

APRIL 1, 1937

FOREWORD

This bulletin covers in outline the proceedings of the annual meeting of Air Hygiene Foundation, held at Mellon Institute, Pittsburgh, Pa., February 9, 1937.

Appended are recommendations by the three major committees—Medical, Preventive Engineering, and Legal—for researches which are agreed to be of immediate importance. Some of the projects can be completed in a few months, others will require several years.

The Board of Trustees has approved the program, contingent upon the raising of the necessary funds. Dues from the present membership, upon the modest scale in effect for 1937, will be insufficient to finance the work. It is hoped that enough additional industrial concerns will affiliate to make it possible to proceed with these studies which are of vital importance to industry.

H. B. MELLER
Managing Director

4400 Fifth Avenue
Pittsburgh, Pa.,
April 1, 1937

PART

AIR HYGIENE FOUNDATION OF AMERICA, INC.

ANNUAL MEETING OF MEMBERS

Pursuant to the provisions of the Code of Regulations and notice given to each member, the annual meeting of the members of Air Hygiene Foundation of America, Incorporated, was held February 9, 1937, at Mellon Institute of Industrial Research, Pittsburgh, Pennsylvania.

Roger A. Hitchins, Chairman, presided, and Henry A. Middleton acted as Secretary.

Seventy-one out of a total of one hundred forty-three member companies were present, either by proxy or by personal representative authorized to vote. The following individual members also were present:

Roger A. Hitchins	C. E. Leshner
H. A. Schultz	R. R. Sayers, M.D.
B. D. Saklatwalla	V. P. Ahearn
A. W. Sherwood	W. P. Yant

The membership roll was called and all proxies presented were inspected and approved.

The minutes of the special meeting of members, held November 24, 1936, were read and, on motion, approved.

Reports from the Treasurer, the Managing Director, and the Research Committee were received and, on motion, approved.

The Chairman then called for election of trustees and asked that, pursuant to the provisions of the Code of Regulations, the members first fix by vote the number of trustees who shall constitute the Board for the ensuing year.

By unanimous vote of the members present, it was ordered that the Board for the ensuing year consist of twenty trustees.

The Nominating Committee reported the nomination of the following for trustees:

Roger A. Hitchins, Ch., National Refractories Company
H. A. Schultz, V. Ch., United States Steel Corporation
L. T. Williams, Sec., Williams, Eversman and Morgan
B. D. Saklatwalla, Tr., U. S. Rustless Steel & Iron Corp'n
V. P. Ahearn, National Industrial Sand Association
Vandiver Brown, Johns-Manville Corporation
C. E. Leshner, Pittsburgh Coal Company
R. R. Sayers, M.D., U. S. Public Health Service

A. W. Sherwood, Owens-Illinois Glass Company
W. P. Yant, Mine Safety Appliances Company
Joseph Dilworth, Westinghouse Electric & Manufacturing Co.
Andrew Fletcher, St. Joseph Lead Company
D. Harrington, U. S. Bureau of Mines
E. A. Hulth, Mathieson Alkali Works, Inc.

On motion, the above-named were elected to serve for the ensuing year, and were authorized to add to their number six additional members as desired.

Roger A. Hitchins
Chairman

Henry A. Middleton
Assistant Secretary

Research

The research program of designed to help combat o inhalation of various dangers forms of air pollution in indu based on the recommendatio Preventive Engineering, and the Board of Trustees. The recommendations on the findin were made last year. These what is known and what ren cupational diseases under inv for the coming year follows:

MEDICAL

1. Study of the mechanism upon the body. It still rema should be classified among t merely be called an irritant. had important medico-legal i course of utmost importance t tissues. Experiments are no biological action of all the k representative types of comb comparison might furnish a which must be investigated; it any types of silica can be d hazards. Other experiments designed to discover whether s to what extent.

This basic knowledge is e prevention of silicosis.

2. Possible effects of the silica for a short time. Can s to five years ordinarily refer

(a) It is often asked wh cessive concentrations of silic deleterious effects upon the l answered by experimental me to produce disease in animals beings but the principle can

(b) Such experiments can

Air Hygiene Foundation of America, Inc.

Roger A. Hitchins (Ch.)
H. A. Schults (V. Ch.)
Lloyd T. Williams (Sec.)
E. D. Saklatwalla (Treas.)
V. P. Aherna
Vandiver Brown
Joseph Dilworth
Andrew Fletcher
Dan Harrington
E. A. Hulta
C. E. Lumber
R. R. Sayers, M.D.
A. W. Sherwood
W. P. Yant

BOARD OF TRUSTEES

National Refractories Company
U. S. Steel Corporation
Williams, Everaman & Morgan
U. S. Rustless Steel & Iron Corp.
National Industrial Sand Ass'n
Johns-Manville Corporation
Westinghouse Elec. & Mfg. Co.
St. Joseph Lead Co.
U. S. Bureau of Mines
Mathieson Alkali Works, Inc.
Pittsburgh Coal Company
U. S. Public Health Service
Owens-Illinois Glass Company
Mine Safety Appliances Co.

Philadelphia, Pa.
New York, N. Y.
Toledo, Ohio
Pittsburgh, Pa.
Washington, D. C.
New York, N. Y.
E. Pittsburgh, Pa.
New York, N. Y.
Washington, D. C.
New York, N. Y.
Pittsburgh, Pa.
Washington, D. C.
Toledo, Ohio
Pittsburgh, Pa.

EXECUTIVE STAFF

Managing Director
Medical Advisor
Assistant Secretary
Assistant Secretary
Executive Assistant

Pittsburgh, Pa.
Pittsburgh, Pa.
Toledo, Ohio
Pittsburgh, Pa.
Pittsburgh, Pa.

MEDICAL COMMITTEE

Metropolitan Life Insurance Co.
The Saranac Laboratory
Singer Memorial Laboratory
Westinghouse Elec. & Mfg. Co.
Bell Telephone Co.
University Hospital
Consultant
U. S. Public Health Service

New York, N. Y.
Saranac Lake, N. Y.
Pittsburgh, Pa.
E. Pittsburgh, Pa.
Pittsburgh, Pa.
Philadelphia, Pa.
Milwaukee, Wis.
Washington, D. C.

PREVENTIVE ENGINEERING COMMITTEE

Philip Drinker (Ch.)
Warren A. Cook
J. M. DallaValle
T. F. Hatch
H. M. Nichols
S. C. Vesey
W. P. Yant

Harvard School of Public Health
Bur. Occ. Dis., Dept. of Health
U. S. Public Health Service
Div. Ind. Hyg., State Dept. Labor
B. F. Sturtevant Company
W. W. Sly Manufacturing Co.
Mine Safety Appliances Co.

Boston, Mass.
Hartford, Conn.
Washington, D. C.
New York, N. Y.
Hyde Park, Mass.
Cleveland, Ohio
Pittsburgh, Pa.

LEGAL COMMITTEE

Owens-Illinois Glass Co.
Johns-Manville Corporation
Mullikin, Stockbridge & Waters

Toledo, Ohio
New York, N. Y.
Baltimore, Md.

MEMBERSHIP COMMITTEE

H. T. Herr, Jr. (Ch.)
Franklyn B. Cole
F. C. Davidson
Francis C. Frary
Victor L. Hall
A. C. Jackson
T. Tracy Lawson
Harry B. Lindsay
J. T. Ryan

J. S. McCormick Company
Los Angeles Chamber of Commerce
Foundry Supply Mfrs. Ass'n
Aluminum Company of America
Glass Containers Ass'n
Floridin Company
Barre Granite Ass'n
Grinding Wheel Mfrs. Ass'n
Mine Safety Appliances Co.

Pittsburgh, Pa.
Los Angeles, Calif.
New York, N. Y.
New Kensington, Pa.
New York, N. Y.
Warren, Pa.
Barre, Vermont
Worcester, Mass.
Pittsburgh, Pa.

Members of Air Hygiene Foundation, as of April 1, 1937

Ablington Sanitary Manufacturing Co.
Abrasive Company
Abrasive Mining & Manufacturing Co.
Abrasive Products Company
Allegheny Steel Company
Aluminum Company of America
American Abrasive Company
American Air Filter Company
American Brake Shoe and Foundry Co.
American Emery Wheel Works
American Mining Congress
American Refractories Institute
American Smelting & Refining Co.
American Zinc Institute
American Zinc, Lead & Smelting Co.
Anaconda Copper Mining Company
Asbestos Fibre Spinning Company
Asbury Graphite Mills, Inc.
Attapulgus Clay Company
Automobile Manufacturers Association
Bartlett-Collins Co.
B. F. Drakenfeld Company
Frank Bancroft Company
Barre Granite Association
C. O. Bartlett & Snow Company
Bay State Abrasive Products Company
Bird Archer Company
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 Silica Company
Central Pa. Coal Producers Assn.
Chicago Wheel & Manufacturing Company
Climax Molybdenum Company
Consolidated Feldspar Corporation
Copperweld Steel Company
Corning Glass Works
Cortland Grinding Wheels Corporation
Denver Fire Clay Company
A. P. deSanno & Son, Inc.
Detroit-Star Grinding Wheel Company
Diamond Alkali Company
Dravo Corporation
E. I. duPont de Nemours & Company
Eagle Picher Lead Company
Ethyl Gasoline Corporation
Exolon Company
Feldspar Milling Company
Flintkote Company
Foundry Supply Manufacturers Association
Gathe Corporation
General Abrasive Company
General Grinding Wheels Corporation
General Refractories Company
Genesee Feldspar Company
Gladding, McBean Company
Glass Container Association
Golding-Keene Company
Goulds Pumps, Inc.
Gypsum Association
A. P. Green Fire Brick Company
Grinding Wheel Manufacturers Association

Hall Company, The
Hamilton Emery & Corundum Company
Hampden Grinding Wheel Company
Harrison-Walker Refractories Company
Hecla Mining Company
Hercules Mining Company
John W. Higman Company
Hill & Griffith Company, The
Idaho-Maryland Mines Corporation
Illinois Clay Products Company
Industrial Silica Corporation
Institute Boiler & Radiator Mfrs. Assn.
International Nickel Company
Johns-Manville Corporation
Keystone Emery Mills
Edwin M. Knowles China Company, The
Laclede-Christy Clay Products Company
Laughlin, Homer 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, The
J. S. McCormick Company
Metals Refining Company
Mexico Refractories Company
Mid-West Abrasive Company
Mine Safety Appliances Company
Monsanto Chemical Company
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 E. 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
Rialto Mining Company
H. H. Robertson Company
Safety Grinding Wheel & Machine Co.
Claude B. Schneible Company
Seaboard Feldspar Company
Sebring Pottery Company
Simonds Worden White Company
Simplex Engineering Company
Smith Facing & Supply Company
Solvay Process Company
St. Joseph Lead Company
Standard Abrasive Wheel Company

stop

Standard Sanitary Manufacturing Co.
Sterling Grinding Wheel Company
Frederick B. Stevens, Inc.
Stockton Fire Brick Company
Superior Flake Graphite Company
Chas. Taylor Sons Company
The Taylor, Smith & Taylor Company
Titan Abrasives Company
Tranton Pottery, Inc.
Tri-State Zinc & Lead Ore Producers
Association
Union Carbide Company
United Feldspar Corporation
United States Graphite Company
United States Pottery Association
United States Smelting, Refining & Min-
ing Company
United States Steel Corporation

Universal Sanitary Manufacturing Co.
Vitrified Wheel Company
Vitreous China Plumbing Fixtures Asso.
Waltham Grinding Wheel Company
Washington Mills Emery Manufacturing
Company
Wedron Silica Company
Well-McLain Company
West 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.
E. J. Woodson Company

Sheet for