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IHF-497

Industrial Hygiene Foundation.

The activities and members of Industrial Hygiene Foundation.

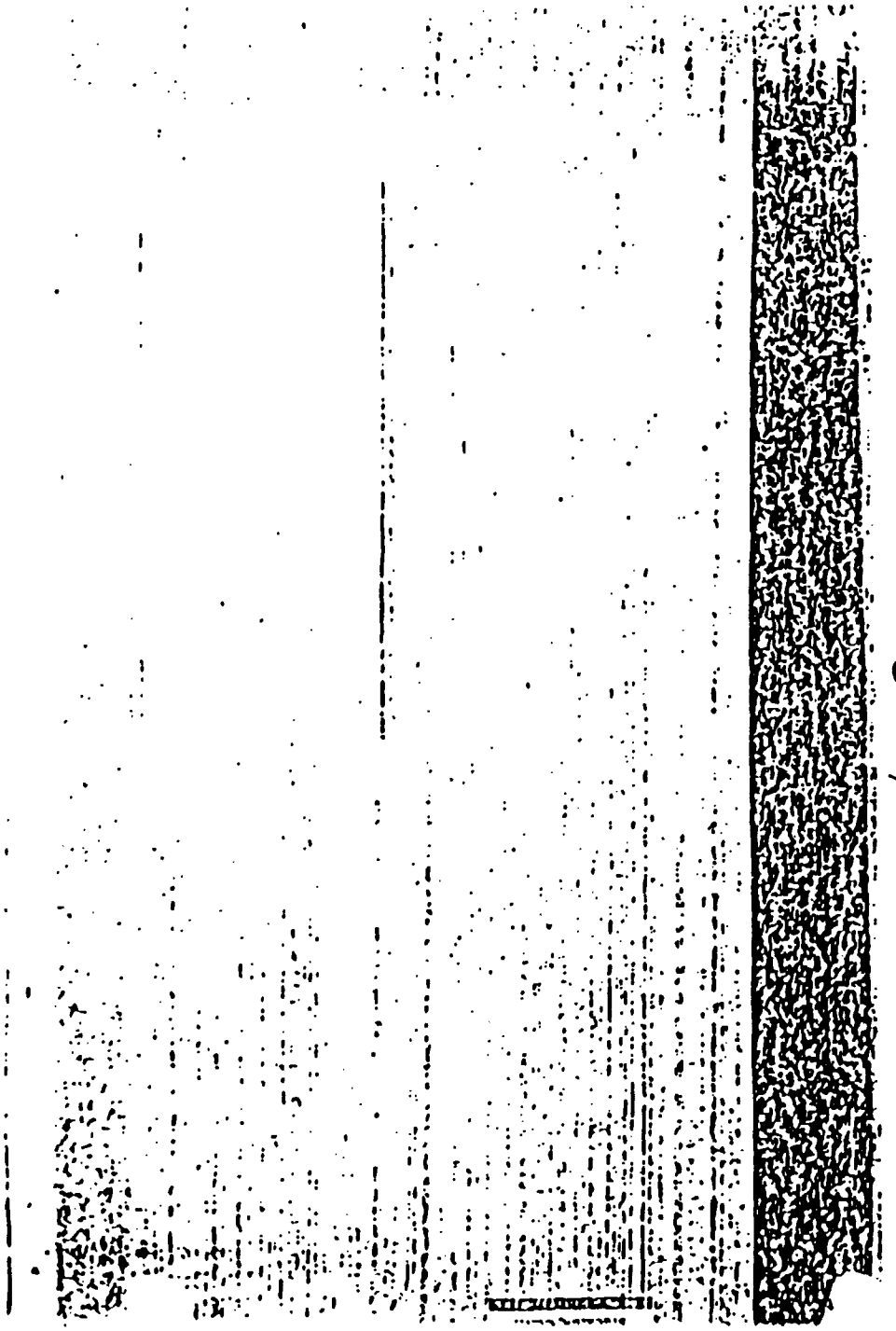
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The

ACTIVITIES and MEMBERS

of

INDUSTRIAL HYGIENE FOUNDATION

MELLON INSTITUTE, 4400 FIFTH AVENUE
PITTSBURGH 13, PA.

1954

INDUSTRIAL HYGIENE FOUNDATION

A Research Association of Industries for Advancing Industrial Health and Improving Working Conditions

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INDUSTRIAL HYGIENE FOUNDATION

INDUSTRIAL HYGIENE FOUNDATION is a nonprofit research association of industries for advancing occupational health, improving working conditions and bettering human relations.

The Foundation's staff includes physicians, chemists, engineers, industrial hygienists and medical technicians—all specialists in health problems arising in manufacturing and mining. Through affiliation with INDUSTRIAL HYGIENE FOUNDATION, companies are entitled to the services of these specialists, plus the technical facilities of Mellon Institute, the Foundation's headquarters.

FOUNDATION ACTIVITIES

The activities of I-H-F fall into three major categories:

(1) To give direct professional assistance to member companies in the study and solution of industrial health problems

(2) To assist companies in the development of health and medical programs as essential parts of industrial organizations.

(3) To contribute to the scientific advancement of industrial medicine and hygiene, through research, surveys and allied activities.

The broad scope of questions and problems that come to the Foundation for consideration is shown by the following tabulation of activities, classified under eight major headings: (1) medical, (2) chemistry, toxicology and industrial hygiene, (3) engineering, (4) air pollution, (5) noise, (6) research, (7) legal, and (8) general advancement of industrial health.

(1) Medical

(a) General information and advice on organization and administrative practices in industrial health services, cost finding and analysis, plans for physical layouts, personnel needs and training, interdepartmental relations, systems of record keeping, directives for medical personnel and registered nurse service standards, etc.

(b) Surveys of health problems, and comprehensive company-wide medical studies to appraise existing organizations and to recommend further needs.

(c) Information on specific industrial medical problems and experience.

(2) Chemistry, Toxicology and Industrial Hygiene

(a) Industrial hygiene field studies are conducted—appraisals of exposure and measurements of hazardous exposures and effectiveness of control measures. These may be on a plant basis or on an industry-wide scale.

(b) Information on toxicity of chemical and physical agents, and on hazards of particular processes; preparation of bibliographies, literature searches, and securing of information from other sources, as, for example, companies having related problems.

(c) Information and advice on sampling and analytical procedures, choice and availability of equipment.

(d) Preliminary training of industrial hygiene personnel in laboratory procedures, sources of information, organization of laboratory, record keeping, etc.

(e) Studies and development of new sampling and analytical methods and techniques.

(3) Engineering

(a) Information on engineering practices in control of hazardous processes, and on design procedures, data and sources of information. Advice on control requirements for specific operations.

(b) Specialized advice on new plant design, reconstruction in existing plants and changes in process to minimize or eliminate hazards.

(c) Review of plans for ventilating systems, as to design, capacity, etc. Advice on special air-cleaning problems.

(d) Advancement of engineering design practices and organization of engineering design programs; development of new data and design procedures for exhaust hoods. Assistance in field tests of new control measures.

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(4) Air Pollution

(a) Advice on industrial air pollution problems - investigational procedures and criteria.

(b) Development of methods, apparatus and techniques for collecting and measuring air pollutants.

(c) Investigations of air pollution potentials of plants - measurement of stack dusts, fumes, gases and odors. Estimation of neighborhood effects.

(d) Measurement and appraisal of pollution effects within adjoining community. Ascertaining sources of communal pollution.

(e) Assistance in engineering measures for controlling excessive stack emissions. Measurement of stack dust particle size and its relation to appropriate dust collectors.

(5) Noise

(a) Information on measurement of noise—sound level, frequency, magnetic tape recordings, availability of equipment, calibration and data record sheets.

(b) Comprehensive physical measurement of noise levels in industrial plants.

(c) Information on physiological response to noise - measurement of hearing impairment, permanent loss vs. fatigue aspects, treatment, susceptibility and placement.

(d) Information on control measures—accumulation of industrial practices that have proved satisfactory.

(e) Information on legal aspects—assembly of facts on laws and regulations relating to compensation for hearing loss.

(6) Research

(a) Short- and long-term toxicity studies on new chemicals to indicate nature of problems which may be encountered in manufacture and use.

(b) Research on nature and mechanism of action of hazardous dusts, fumes, vapors and gases, with special reference to actual conditions of plant exposure.

(c) Basic studies in physiology, toxicology and biochemistry of physical and chemical agents, their mode of entrance into the body in relation to physical and chemical state in the atmosphere, and their subsequent toxic action in the body.

(7) Legal

(a) Summaries of legislative activities pertaining to occupational diseases, *compensation*, and other proposed legislation pertaining to industrial health; analysis of trends.

(b) *Review* of new compensation laws, revisions and additions, and analysis of decisions of compensation boards that are of special significance.

(c) Analysis of new codes pertaining to health hazards and related problems.

(8) General Advancement of Industrial Health

(a) Meetings: (1) annual meeting of members—discussion of broad objectives, policies and trends in industrial health and human resources; (2) conferences of *professional* specialists from member companies, (i) medical, (ii) engineering, (iii) chemistry and toxicology, (iv) legal; (3) special conferences on selected subjects or for discussion of common problems in particular *industrial groups*.

(b) Publications: (1) transactions of annual meeting; (2) monthly *Industrial Hygiene Digest*, (3) special bulletins prepared under the sponsorship of the several advisory committees; (4) informative letters and pamphlets on subjects of current interest; (5) technical papers by staff members.

(c) Special surveys and studies are undertaken on an industry-wide scale, as, for example, *for an association or similar organization* to develop fundamental information which will be of benefit to an entire industry in appraising and controlling occupational disease hazards.

— A —

Abingdon Potteries, Inc.
Abrasive Grain Association
Abrasive Products Company
Allegheny Ludlum Steel Corporation
Allegheny Pittsburgh Coal Company
Allis-Chalmers Manufacturing Company
Aluminum Company of America
American Abrasive Company
American Air Filter Company, Inc.
American Brake Shoe Company
American Can Company
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American Iron & Steel Institute
American Mining Congress
American Optical Company
American Radiator & Standard Sanitary Corporation
American Smelting & Refining Company
American Wheelabrator & Equipment Corporation
American Zinc Institute
American Zinc, Lead & Smelting Company
Anaconda Copper Mining Company
Anthracite Institute
Arrow Mutual Liability Insurance Company
Asbestos Corporation Limited
Assn. of Casualty & Surety Companies
Atlas Powder Company
Automobile Manufacturers Association

— B —

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Bartlett-Collins Company
Bay State Abrasive Products Company
Bethlehem Steel Company, Inc.
Bird & Son, Inc.
Bituminous Casualty Corporation
Brush Beryllium Company
George H. Bullard Company
Bunker Hill & Sullivan Mining & Concentrating Company
A. M. Byers Company

— C —

Can Manufacturers Institute, Inc.
Carborundum Company
Celanese Corporation of America
Central Silica Company
Chicago Wheel & Manufacturing Company
Chromium Mining & Smelting Corp., Ltd.
Cincinnati Milling and Grinding Machines Inc., Cincinnati Products Division
Cleveland Cliffs Iron Company
Cleveland Quarries Company, Sterling Grinding Wheel Division
Cobalt Chemicals, Ltd.
Robert P. Coleman, Inc.
Colonial Abrasive Products Company
Commercial Solvents Corporation
Commonwealth Sanitation Company
Consolidated Mining & Smelting Company of Canada, Ltd.
Continental Can Company, Inc.
Cooper-Bessemer Corporation
Copperweld Steel Company
Corhart Refractories Company, Inc.
Corning Glass Works
Cortland Grinding Wheels Corporation
Crucible Steel Company of America

— D —

Davison Chemical Corporation
Deere & Company
A. P. De Sanno & Son, Inc.
Diamond Alkali Company
Dochler-Jarvis Corporation
Dow Chemical Company
H. F. Drakenfeld & Company, Inc.
Dravo Corporation

— E —

Eagle-Picher Company
Ebasco Services, Inc.
Electric Storage Battery Company
Electro Refractories & Abrasives Corporation
Elex S. A.
Elfer Company
Ethyl Corporation
Eureka Flint & Spar Company, Inc.
Evolon Company

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General Ceramic Corporation
General Electric Company
General Grinding Wheel Corporation
General Mills, Inc.
General Motors Corporation
General Refractories Company
General Steel Castings Corporation
Georgia-Pacific Plywood Company
Gilbert Abrasives Company, Inc.
Grinding Wheel Institute
Gulf Oil Corporation

— H —

Hall China Company
Hamilton Emery & Corundum Company
Hampden Grinding Wheel Company
Hazel Atlas Glass Company
Hercules Powder Company
John W. Higgins Company
Homestake Mining Company
O. Hommel Company

— I —

Industrial Silica Corporation
Inland Steel Company
International Business Machines Corporation
International Nickel Company, Inc.

— J —

Jamison Coal & Coke Company
J. Jeffrey Manufacturing Company
Johns-Manville Corporation
Johnson & Johnson
Jones & Laughlin Steel Corporation
Jay Manufacturing Company

— K —

Kearney & Mattison Company
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Kennecott Copper Corporation
Keystone Abrasive Wheel Company
Keystone Emery Mills
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K[illegible] Company, Inc.

— L —

Homer Laughlin China Company
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MacIntosh-Hemphill Company
Macklin Company
Magma Copper Company
Maryland Self-Insurers' Association
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McLean Manufacturing Company
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Mid-West Abrasive Company
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— N —

National Association of Fan Manufacturers
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National Grinding Wheel Company
National Industrial Sand Association
National Lead Company
National Pulverizing Company
National Sand & Gravel Association
National Slag Association
National Steel Corporation
Neville Chemical Company
New Jersey Pulverizing Company
New Jersey Zinc Company
Norton Company
Norton Pike Company

— O —

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

— P —

Pabst Brewing Company
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— U —

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— V —

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— W —

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