

FILE NAME: Industrial Hygiene Foundation (IHF)

DATE: 1955

DOC#: IHF013

DOCUMENT DESCRIPTION: IH Digest - Foundation Facts - Feb-Nov



FOUNDATION FACTS

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Volume 17

February, 1955

No. 2

DR. WEIDLEIN ADDRESSES CALIFORNIA AIR POLLUTION CONFERENCE

Dr. Edward R. Weidlein, President of Mellon Institute, participated in the Statewide Conference on Air Pollution Legislation sponsored by the California State Chamber of Commerce, held at the Sheraton-Palace Hotel, Los Angeles, on February 21. The purposes of the Conference were (1) to determine whether additional air pollution legislation is needed; (2) if additional air pollution legislation is needed, to seek statewide opinion upon the principles embodied in proposed measures; and (3) to lay the groundwork for coordination of research on air pollution. Among those attending were trade association executives; labor representatives; industrial executives; representatives of universities and research organizations; representatives of agriculture and others. Dr. Weidlein presented a luncheon address on "Organizing for Effective Air Pollution Control," in which he discussed the method of approach in Pittsburgh which has produced such remarkable results that the City of Pittsburgh and Allegheny County are well on the way of being the cleanest industrial community in the country. Much of the credit for the transformation goes to Dr. Weidlein and to the other members of the Allegheny Conference on Community Development, who have devoted their talents and energy toward finding a solution to the problem of air pollution in the area.

INDUSTRIAL NURSING DISCUSSED

Dr. Daniel C. Braun, Medical Director of Industrial Hygiene Foundation, gave a discussion of the evolution of the practice of industrial nursing and the present status of the nurse in industry before Area 6 of the Pennsylvania League for Nursing. The meeting was held at the West Penn Hospital in Pittsburgh on February 9.

TECHNICAL INFORMATION SERVICES GROWING

The Foundation's clerical staff was kept busier than ever during 1954 filling requests for reprints. Nearly 4,200 specific requests for 78 different pieces of literature were handled; in addition to regular mailings to members. In many other instances the staff acted as "source finders" for needed information, made literature searches, obtained translations of foreign articles and, where possible, assisted the inquirer to obtain articles and other publications which he was having difficulty in procuring. Seventy-five requests of this type, the majority of which were stimulated by abstracts in the Digest, were given individual attention.



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Volume 17

March, 1955

No. 3

NEW MEMBERS

Added to the membership roster of the Foundation to date this year are the following companies:

Corn Products Refining Company
Crouse-Hinds Company
Industrial Indemnity Company
Standard Oil Company of California

BOARD MEETING SCHEDULED

The Spring (semi-annual) meeting of the Board of Trustees of Industrial Hygiene Foundation will be held on Tuesday, May 10, in New York. A meeting of the Legal Committee will also be held in New York on May 9.

HEMEON APPOINTED TO TAC COMMITTEE

Mr. W. C. L. Hemeon, Engineering Director of the Foundation, has accepted membership on the 1955 Technical Advisory Committee of the American Society of Heating and Air-Conditioning Engineers, Inc. This Committee provides advisory guidance for a fundamental study to develop a satisfactory method of determining particle-size distribution.

CORRESPONDENCE CLEARS UP SPECIFIC PROBLEMS

If that bit of information that could be the key to the solution of a weighty industrial health problem eludes you, there is still one more source you can check for the answer—Industrial Hygiene Foundation. Eighty-nine individuals from member companies availed themselves of the Foundation's technical advisory service last year by writing for advice on specific industrial health problems. Questions posed related to the toxicity of numerous compounds, sources of fumes, hazards in the use of specific materials in industry, how to control these hazards, physiological effects of various compounds, health programs and examinations, dust collecting equipment and procedure, and many other problems. In each case the Foundation's technical staff had the answers—drawing upon experience in past studies and upon the wealth of information and literature at its disposal. Replies often constituted thorough treatment of the subject and extensive references for further investigation. Oftentimes reprints of pertinent literature were available and sent to the inquirer. Those not yet utilizing this membership service are invited to do so.



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Volume 17

April, 1955

No. 4

A MANAGEMENT AUDIT OF MELLON INSTITUTE

The first Management Audit of an institution or foundation ever published has just been completed by the American Institute of Management, New York. It demonstrates that Mellon Institute of Industrial Research has greatly improved cooperation between science and industry in pursuit of their common goals.

Mellon Institute was lauded for its unparalleled contribution to industrial scientific development and to the betterment of public welfare. Industrial Hygiene Foundation was cited in the report as a sound instance of the kind of long-range development and improvement in which the Institute engages.

Founded in 1913 by Andrew W. Mellon and Richard B. Mellon, the Institute has been the "unsung hero" in the development of many new products, some leading to the creation of whole new industries. Approximately 1500 patents, all of which are assigned to the companies sponsoring the research, have been granted by the government for products or processes developed at the Institute.

Some 75 Fellowships remain in effect at a time, each pursuing a long-range research project on behalf of a sponsoring company. Research expenditures of Mellon Institute are 56 times greater today than they were forty years ago. In the interim one of the finest scientific libraries in the world has been built up also.

Industrial Hygiene Foundation is proud to have been founded at Mellon Institute and to have been a growing part of it for the past twenty years.

LEGAL SURVEY ON NOISE COMPILED

The problem of noise in industry is one which has assumed increasing importance in recent years. Employers and employees have become thoroughly health conscious; and, in many jurisdictions, claims for compensation under statutes have been presented for impairment of hearing attributable to occupational exposure. To fill the need for reference material on existing laws providing compensation for impairment of hearing, Industrial Hygiene Foundation had prepared for its members a Legal Survey on Occupational Impairment of Hearing by Theodore C. Waters, General Counsel for the Foundation. References are given in summary form to state compensation statutes dealing with impairment of hearing and to judicial decisions. Copies of the bulletin have been distributed to the I-H-F membership.

TRANSACTIONS OF 19TH ANNUAL MEETING

The complete Transactions of the 19th Annual Meeting will be available by May 1 and mailing will be made to the membership as usual. Papers from all of the sessions have been published under one cover this year.

I-H-F

CONFERENCE PROGRAMS
20TH ANNUAL MEETING OF INDUSTRIAL HYGIENE FOUNDATION
Mellon Institute, Pittsburgh, Pa.
November 16-17, 1955

Last month's Digest carried detailed information on the General Session of the program, to be held on Thursday, November 17, the second day of I-H-F's 20th Annual Meeting. Following is the program information for the Technical Conferences scheduled for Wednesday, November 16.

CHEMICAL-TOXICOLOGICAL CONFERENCE
Wednesday, November 16, 1955 - 2:00 p.m. Social Room, Mellon Institute

Chairman: Anna M. Baetjer, Sc.D.
School of Hygiene and Public Health, The Johns Hopkins University
Chairman, Chemical-Toxicological Committee of I-H-F

INDUSTRIAL HYGIENE ASPECTS OF ULTRASONICS

Charles R. Williams, Ph.D.
Director, Industrial Hygiene Services
Liberty Mutual Insurance Company



PRESENT STATUS OF SOME ANALYTICAL METHODS
USED IN INDUSTRIAL HYGIENE

Robert G. Keenan
Chief Spectrochemist
Division of Special Health Services
U. S. Public Health Service



RECENT OBSERVATIONS ON BERYLLIUM DISEASE

G. W. H. Schepers, M.D.
Director
The Saranac Laboratory



Brief Discussions of Miscellaneous Subjects Pertaining to
Toxicology, Environmental Measurements and Methods of Analysis

JOINT MEDICAL - CHEMICAL-TOXICOLOGICAL CONFERENCE

Wednesday, November 16, 1955 - 9:30 a.m.

Auditorium, Mellon Institute

RESEARCH DEVELOPMENTS AND THEIR APPLICATION
IN THE PREVENTION OF OCCUPATIONAL DISEASE
(A Panel Discussion)

Moderators:

Anna M. Baetjer, Sc.D.
School of Hygiene and Public Health
The Johns Hopkins University
Chairman, Chemical-Toxicological
Committee of I-H-F



Anna M. Baetjer

A. G. Kammer, M.D.
Graduate School of Public Health
University of Pittsburgh
Co-Chairman, Medical Committee
of I-H-F



A. G. Kammer

Participants

RESEARCH DEVELOPMENTS BY THE TOXICOLOGIST:



Don D. Irish



Norton Nelson

Don D. Irish, Ph.D.
Biochemical Research Department
The Dow Chemical Company

Norton Nelson, Ph.D.
Director, Institute of Industrial Medicine
New York University-Bellevue Medical Center

CLINICAL APPLICATIONS BY THE PHYSICIAN



David W. Fassett

David W. Fassett, M.D.
Director, Laboratory of Industrial Medicine
Eastman Kodak Company

Robert M. Watrous, M.D.
Medical Director
and
M. J. McAndrew, M.D.
Assistant Medical Director
Abbott Laboratories

MEDICAL CONFERENCE

Wednesday, November 16, 1955 - 2:00 p.m.

Auditorium, Mellon Institute

Chairman: O. A. Sander, M.D.
Associate in Medicine, Marquette University
Chairman, Medical Committee of I-H-F

MENTAL HEALTH AS A PART OF THE MEDICAL PROGRAM

Christopher Leggo, M.D.
Consultant in Industrial Medicine
Menlo Park, California



Christopher Leggo

THE RELATIONSHIPS BETWEEN THE MEDICAL DEPARTMENT AND MANAGEMENT (A Panel Discussion)

Moderator: O. A. Sander, M.D.



O. A. Sander, M.D.

Medical Views:

Walter G. Vernon, M.D.
Assistant Medical Director
Radio Corporation of America

McIver Woody, M.D.
(Retired) Medical Director
Standard Oil Company (N.J.)



McIver Woody

Management Views:

Fred Denig
Vice President
Koppers Company, Inc.

George L. Ullom
Manager, Industrial Relations
Titanium Metals Corp. of America



George L. Ullom

Chairman: Theodore C. Waters
Miles & Stockbridge, Baltimore, Md.
Chairman, Legal Committee of I-H-F

ENGINEERING AND LEGAL ASPECTS OF MANAGEMENT'S
RESPONSIBILITY FOR CONTROL OF INDUSTRIAL HAZARDS
(A Panel Discussion)



Moderator: J. Dewey Dorsett
General Manager
Association of Casualty and Surety Companies



H. Glenn Gardiner, M.D.
Medical Director
Inland Steel Company



J. T. Gresh
Assistant Director
Dept. of Personnel Services
American Brake Shoe Company



Wesley C. L. Hemeon
Engineering Director
Industrial Hygiene Foundation



Hugh M. Jackson
Manager
Industrial Health Program
Johns-Manville Corporation



Jerome Pollack
Program Consultant
Social Security Dept.
International Union, UAW-CIO



James J. Reid
South Carolina Industrial
Commission



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Volume 17

November, 1955

No. 11

Nearly 600 representatives of industrial management and the health professions met at Mellon Institute on November 16 and 17 for the 20th Annual Meeting of Industrial Hygiene Foundation.

Health problems facing industry today were discussed by some 40 leading industrial health specialists and management executives. The diversified program allowed ample time for questions and discussion and for exchange of information on possible solutions to many of the problems.

Attendance at the technical conferences on the first day was as follows:

Medical	157	Engineering	117
Chemical-Toxicological	127	Legal	75

Attendance at the Conference totaled 476, and representation at the General Meeting on the second day was 490. Total registration for the meeting was 574.

Topics on the program for the management session included the economic aspects of industrial health, industrial applications of atomic energy, the relationship of man to machines, the problem of air pollution, graduate education for industry's professional personnel, an appraisal of industrial medical departments, and current trends in workmen's compensation.

Equally informative were the technical sessions held on Wednesday. Management executives and industrial physicians participated in a panel discussion at the Medical Conference aimed at more effective functioning of their related duties through better communication. Mental health as a part of the medical program was also a feature of the Medical Conference.

A Joint Medical—Chemical-Toxicological Conference was an innovation this year which met with enthusiastic response. Toxicologists and industrial physicians participated in a panel discussion on research developments and their application in the prevention of occupational disease.

Also held for the first time this year was a Joint Engineering-Legal Conference which featured a panel discussion on engineering and legal aspects of management's responsibility for control of industrial hazards.

At the Engineering Conference papers were presented on work in excessively hot environments, noise, and safety in the use of radioisotopes.

The Legal Conference included a legislative review of workmen's compensation for 1955, a discussion of the Federal Employers' Liability Act and its

(Cont. on next page)

impact upon Industry, and medical and legal aspects of the presentation of medical testimony in compensation cases.

Transactions of the Meeting will be published and copies will be distributed to the membership of the Foundation.

A number of excellent exhibits illustrated some of the activities of industries and health institutions in the field of occupational health and medicine. The subject of The Weirton Steel Company's exhibit. Wyandotte Chemicals Corporation's exhibit showed an industrial health program in a chemical plant. The National Institutes of Health depicted occupational health services of that institution. Industrial Hygiene Foundation's exhibit showed a new research tool in the silicosis developed by its toxicology laboratory staff.

20th Annual Meeting
Industrial Hygiene Foundation
Mellon Institute
Pittsburgh, Pennsylvania
November 16-17, 1955

FOUNDATION FACTS

by

C. Richard Walmer, M.D.
Managing Director, Industrial Hygiene Foundation

This meeting is a milestone as it is the 20th Annual Meeting of the Foundation. The fact that is most impressive and most gratifying about the growth and achievements of the Foundation over the past two decades is that everything has been accomplished through the unified efforts of many diversified industries. There is no disputing such clear-cut evidence of industry's interest in the health and welfare of its workers and consumers. It is an expression of Americanism at its best.

In 1935 twenty companies came to Mellon Institute to seek answers to the problems posed by dust diseases in industry. The Foundation was formed to carry on a scientific research program on specific aspects of the subject. Today, the membership roster numbers 380 companies throughout the United States, and the activities of the Foundation in the industrial health field have branched out far beyond the original assignment. Special studies made for member companies have reached the 700 mark. Included are over 400 extensive field surveys and approximately 100 on specific phases of industrial problems encountered in the plants. In addition, the Foundation's specialists in engineering, medicine, chemistry and toxicology and law have made over 200 consultation visits throughout the country. Some fifty basic research studies have been conducted in the Foundation's laboratories, and analytical studies are well into the second hundred. A number of the projects have been on an industry-wide basis.

Thousands of requests for technical literature have been filled each year in addition to regular mailings to members, and the staff has on many occasions supplied special literature and bibliographies on subjects about which members needed information. This year, so far, twenty reprints of technical literature, including papers by staff members and other pertinent material, have been made available to the membership. The Transactions of this meeting, as in the past, will be published as well. And, of course, the Industrial Hygiene Digest goes out monthly. According to repeated comments from our members, it is a valuable aid in keeping up to date on new information in the field of industrial health. The need for a cumulative index on the subject matter abstracted in the Digest through the years was pointed out by several members. As a result, a Decennial Index has been prepared and copies will be mailed to all members shortly.

C. Richard Walmer

We like to feel that through the years these meetings, too, have proved valuable to you in affording an opportunity to get together with representatives in fields other than your own so that lines of communication can be strengthened and problems ironed out.

We hope that all of you, and particularly the new members, will take every opportunity to call on the Foundation's staff for assistance. I would like to welcome, at this time, eleven new members to this year's meeting. They are

Baugh Chemical Company
The Beryllium Corporation
Corn Products Refining Company
Crouse-Hinds Company
Crown-Zellerbach Corporation
Detroit Steel Products Company
Industrial Indemnity Company
Mechanical Industries, Inc.
Olin Mathieson Chemical Corporation
Pittsburgh Steel Company
Standard Oil Company of California

This twentieth year of the Foundation's existence saw the completion of a number of important field and research projects and the initiation of new ones. Environmental surveys included studies of dust exposures and other atmospheric contaminants, for which control procedures were recommended and parallel medical controls set up. Several surveys involved determination of the outdoor air pollution as well as that at specific manufacturing operations.

Two complete medical surveys were made which resulted in the modernization of existing medical programs to encompass health maintenance activities.

Several new products have been investigated in our toxicological laboratory to ascertain whether any harmful properties were present. Other studies were carried out to determine the effects on the lungs of dust from various substances used in manufacturing. One of these investigations extends over a three-year period, another over two years.

Extensive air pollution investigations, continued throughout the year.

The work carried on by the Foundation this year involved a budget expenditure of a quarter of a million dollars. Figures were cut close, but we expect to end the year with a balanced budget. Our total cash and securities amount to \$175,000.

Elected to the Board of Trustees this year were Mr. John Bugas, Vice President, Industrial Relations, Ford Motor Company; Mr. Oscar A. Glaeser, Vice President and General Manager, United States Smelting Refining and Mining Company; and Mr. Harvey B. Jordan, Executive Vice President of United States

Richard Walmer

Steel Corporation. Mr. Carl B. Pollock, Vice President in Charge of Production, Allegheny Ludlum Steel Corporation, took up the duties of Secretary of the Board this year.

Three new appointees to the Legal Committee are: Mr. James Hill, Ford Motor Company; Mr. Frank C. Wachter, Pennsylvania Glass Sand Corporation; and Gerald A. Weiss, Rome Cable Corporation.

Additions to the Medical Committee were: Dr. Melvin N. Newquist, Texas Company; Dr. Norbert J. Roberts, Standard Oil Company of N. J.; and Dr. Kenneth Smith, Johns-Manville Corporation.

The Research Advisory Council added one member: Dr. W. M. Gafafar, United States Public Health Service.

All of these men have already contributed valuably to the effectiveness of the Foundation's activities. To them and to the many other fine industrial and professional leaders on the Board of Trustees and Technical Committees we want to extend our sincere thanks.

And, of course, we want to acknowledge with gratitude the interest and support of Mellon Institute's Executive Staff. In addition to the wise counsel received from these men, the Foundation has for its use the best facilities and equipment obtainable.

All of you here today and the other members of your industrial organizations have shared in the growth and accomplishments of the Foundation. Without unification of efforts in protecting the health of your employees and consumers, the Foundation could have achieved little. The best industrial health specialists in the profession could be brought together to promote industrial health, but if management does not have a real interest in promoting health maintenance in industry, no progress can be made. This is certainly not the case with the member companies of Industrial Hygiene Foundation. Affiliation with the Foundation has been itself an expression of the will to accept responsibility and to act accordingly where industrial health is concerned.

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MANAGEMENT SESSION SPEAKERS were left to right, Dr. J. Roscoe Miller, President, Northwestern University; and Dr. Daniel C. Braun, Medical Director of Industrial Hygiene Foundation.



COMPARING NOTES ON HEALTH PROBLEMS FACING INDUSTRY TODAY are, l. to r., Andrew Fletcher, President, St. Joseph Lead Company; Dr. A. J. Lanza, Presidents' Commission on Veterans' Pensions; and Dr. F. B. Trudeau, Jr., President, Trudeau-Saranac Institute.



CHEMICAL-TOXICOLOGICAL CONFERENCE SPEAKERS were, left to right, Robert G. Keenan, Division of Special Health Services, United States Public Health Service; Dr. G. W. H. Schepers, Director, The Saranac Laboratory; and Dr. Charles R. Williams, Director, Industrial Hygiene Services, Liberty Mutual Insurance Company. At right is Dr. H. H. Schrenk, Research Director of Industrial Hygiene Foundation.



NOISE and HOT ENVIRONMENTS were two topics at the Engineering Conference. Dr. H. H. Schrenk, Research Director of the Industrial Hygiene Foundation, discusses the program with speakers Dr. Paul Michael, Research Physicist, Mine Safety Appliances Company; and Dr. Lucien Brouha of St. Pierre's Haskell Laboratory for Toxicology and Industrial Medicine.

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