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SOEH

OCCUPATIONAL EXPOSURES TO FIBROUS AND PARTICULATE DUST AND THEIR EXTENSION INTO THE ENVIRONMENT

The Mayflower Hotel

Washington, D. C.

December 4-7, 1977

Cosponsor

Mining Enforcement and Safety Administration

United States Department of Interior

SOCIETY FOR OCCUPATIONAL AND ENVIRONMENTAL HEALTH

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Sunday, December 4, 1977

5:30 P.M. RECEPTION AND PRE-REGISTRATION FOR PARTICIPANTS AND ATTENDEES (Cash Bar)

Monday, December 5, 1977

8:00 A.M. REGISTRATION

9:00 A.M. INTRODUCTORY REMARKS — STATE ROOM

Greetings from SOEH and Scope of Conference

Dr. Joseph Wagoner, President of SOEH

9:30 A.M. SESSION I - FIBROUS MATERIALS IN THE OCCUPATIONAL AND NON-OCCUPATIONAL ENVIRONMENT

Moderator: Dr. Fred Pooley, University College, Cardiff

Speakers:

1. The Nature of Fibrous Minerals in Man's Environment
   Dr. Arthur Langer, Mt. Sinai School of Medicine
2. An Overview of Inorganic Man-Made Fibers in the Environment
   Dr. Morton Corn, University of Pittsburgh

10:00 A.M. SESSION II - CURRENT CONCEPTS IN FIBER PATHOGENICITY

Moderator: Dr. Raymond Shapiro, NIEHS, North Carolina

Speakers:

3. Animal Model for Inhalation Exposure to Talc
   Dr. J. C. Wagner, Llandough Hospital, Wales
4. Current Concepts in Asbestos Fibre Pathogenicity
   Dr. J. M. G. Davis, Institute of Occupational Medicine, Edinburgh

10:30 A.M. *Coffee Break*

5. Morphological Aspects of Biologically Relevant Fibers
   Dr. K. H. Friedrichs, University of Dusseldorf
6. Translocation of Asbestos Fibers Through Respiratory Tract and Gastrointestinal Tract According to Fiber Type and Size
   Dr. Patrick Sebastien, Service Hospitalier Universitaire de Pneumologie, Paris
7. Fiber Dimensions: Their Significance in Deposition and Clearance of Inhaled Fibrous Dusts
   Dr. Arthur Morgan, Atomic Energy Research Establishment, Harwell
8. Chronic Exposures of Hamsters to Asbestos Cement Dust
   Dr. Alfred P. Wehner, Battelle Pacific Northwest Laboratories

Panel Discussion: Dr. Fred Pooley, University College, Cardiff
Dr. Philip M. Cook, National Water Quality Laboratory, Duluth
Dr. Jack Harington, NIEHS, North Carolina

Questions from the Audience

1:00 P.M. LUNCH

2:30 P.M. SESSION III - EXPOSURES AND HEALTH EFFECTS OF ASBESTOS MINERALS

Moderator: Dr. Irving Selikoff, Mt. Sinai School of Medicine

Speakers:

9. Mortality Patterns Among Asbestos Workers
   Ms. Cynthia Robinson, NIOSH, Cincinnati

10. Family Exposure to Asbestos and Subsequent Disease
    Dr. Henry A. Anderson, Mt. Sinai School of Medicine

11. Asbestos Disease and Smoking Patterns - An Overview
    Dr. Rudolfo Saracci, International Agency for Research on Cancer, Lyon

12. Overview of Research on Mechanisms by Which Asbestos Could Enter Drinking Water
    Dr. W.H. Hallenbeck/Ms. C.S. Hesse, University of Illinois, School of Public Health

3:30 P.M. *Coffee Break*

13. Non-Occupational Indoor Asbestos Pollution
    Dr. Robert N. Sawyer, Yale University

14. Monitoring and Measuring Airborne Concentrations of Asbestos Fibers
    Dr. Gerald Chase, Johns-Manville Corp.

15. Unbiased Estimates of Coefficients of Variation for Asbestos Counting
    Mr. Nelson Leidel, NIOSH, Rockville

Panel Discussion: Dr. William Johnson, University of Washington
Dr. Marvin Kuschner, School of Medicine, S.U.N.Y.

Questions from the Audience

7:00 P.M. RECEPTION AND SOEH AWARD BANQUET — CHINESE ROOM EAST ROOM

Speaker: Judge Miles Lord

Recipient: Dr. Irving J. Selikoff

Tuesday, December 6, 1977

8:30 A.M. SESSION IV - EXPOSURES AND HEALTH EFFECTS OF INORGANIC SYNTHETIC FIBERS AND FIBROUS MINERALS

Moderator: Dr. Jon Konzen, Owens-Corning Fiberglas Corp.

Speakers:

16. Mortality Patterns Among Fibrous Glass Production Workers
    Dr. Philip Enterline, University of Pittsburgh

17. Mortality Patterns and Occupational Exposures Among Mineral Wool Production Workers
    Mr. Gregory O. Ness, NIOSH, Cincinnati

18. Workers Exposed to Wallastonite Through Mining & Milling
    Dr. Brian Boehlecke

Panel Discussion: Dr. Anders Englund, Bygghälsan, Stockholm
Dr. Frank E. Lundin, Bureau of Radiological Health, FDA

Questions from the Audience

10:15 A.M. *Coffee Break*

Tuesday, December 6, 1977

10:30 A.M. SESSION V - TALCS CONTAMINATED WITH OTHER MINERALS

Moderator: Mr. Richard Lemen, University of Illinois

Speakers:

19. Morphological Characteristics of Amphibole Particles
    Dr. William J. Campbell, U.S. Bureau of Mines
20. Occupational Exposures to Talcs Containing Asbestiform Minerals
    Mr. John Dement, University of North Carolina
21. Respiratory Morbidity Among Miners and Millers of Asbestiform Talc
    Dr. John Gamble, NIOSH, West Virginia
22. Mortality Patterns Among Miners and Millers of Asbestiform Talc
    Dr. David Brown, NIOSH, Cincinnati
23. Stomach Cancer Among Rubber Workers: An Epidemiologic Investigation
    Dr. Steve Blum, University of North Carolina
24. Biologic Tests of Tremolite in Hamsters
    Dr. William Smith, Fairleigh Dickinson University

Panel Discussion: Dr. Arthur Langer, Mt. Sinai School of Medicine
Dr. Paul Kotin, Johns-Manville Corporation

Questions from the Audience

1:00 P.M. LUNCH

2:30 P.M. SESSION VI - NON-FIBROUS TALC

Moderator: Mr. Don Spatz, United Cement, Lime and Gypsum Workers

Speakers:

25. Mortality and Morbidity of Talc Miners and Millers in Italy
    Dr. Giovanni Rubino, Institute of Occupational Medicine, Turin
26. Occupational Exposures to Non-Asbestiform Talc in Vermont
    Ms. Maryanne Boundy, Harvard School of Public Health
27. Respiratory Morbidity Among Workers Exposed to Non-Asbestiform Talc
    Dr. David Wegman, Harvard School of Public Health
28. Mortality Patterns Among Miners and Millers of Non-Asbestiform Talc
    Ms. Sherry Selevan, NIOSH, Cincinnati

3:30 P.M. *Coffee Break*

29. Animal Model for Inhalation Exposure to Talc
    Dr. J.C. Wagner, Llandough Hospital, Wales
30. Consumer Usage of Talc
    Dr. Arthur Rohl, Mt. Sinai School of Medicine

Panel Discussion: Dr. Hector Blejer, City of Hope Medical Center, Calif.
Dr. George Wright, Consultant, Denver, Colorado

Questions from the Audience

5:30 P.M. ANNUAL SOEH BUSINESS MEETING

Wednesday, December 7, 1977

8:30 A.M. SESSION VII - NON-FIBROUS ORGANIC AND INORGANIC PARTICULATES

Moderator: Mr. James Wolfe, International Molders and Allied Workers Union

Speakers:

31. Mortality Patterns Among Foundry Molders and Coremakers
    Ms. Betsy Egan, NIOSH, Cincinnati
32. Lung Cancer Mortality in a Steel Foundry
    Dr. E.S. Gibson, Dominion Foundries and Steel, Ltd.
33. Mortality Study in Iron and Steel Foundries
    Dr. Patricia Breslin, OSHA, Washington, D.C.
34. Occupational Morbidity Studies Among Aluminum Workers
    Dr. Bertram W. Carnow, University of Illinois

9:30 A.M. *Coffee Break*

35. Cancer Mortality Among Workers in Beryllium Production Plants
    Dr. T. F. Mancuso, University of Pittsburgh
36. Cancer and Respiratory Disease Risk Among Individuals in the Beryllium Case Registry
    Dr. Peter Infante, NIOSH, Cincinnati

Panel Discussion: Dr. Janette Sherman, Wayne State University
Dr. Brian MacMahon, Harvard School of Public Health
Dr. J. William Lloyd, United Steelworkers of America

Questions from the Audience

11:30 A.M. LUNCH

1:00 P.M. SESSION VIII - HEALTH IMPLICATIONS AND GOVERNMENT RESPONSE

Moderator: Dr. Warren Muir, Environmental Protection Agency

Speakers:

37. OSHA Regulatory Action
    Mr. Grover C. Wrenn, OSHA, Washington, D.C.
38. MESA Regulatory Action
    Dr. Aurel Goodwin, Mining Enforcement and Safety Adm.
39. EPA Regulatory Action
    (to be announced)
40. CPSC and Consumer Protection
    Dr. Alan M. Ehrlich, Consumer Product Safety Commission

2:00 P.M. *Coffee Break*

41. FDA and Regulations Concerning Talc and Asbestos
    Dr. Armand Casola
42. International Implications of Fibrous Materials - Export and Import Problems
    Mr. Barry Castleman, Consultant, Office of Technology Assessment

Panel Discussion: Dr. Robert Harris, Environmental Defense Fund
Dr. Paul Kotin, Johns-Manville Corporation

Questions from the Audience

3:45 P.M. CONFERENCE SUMMATION BY CONFERENCE CO-CHAIRPERSON
Mr. John Dement, University of North Carolina

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Dr. Paul Kotin, Johns-Manville Corp.
Mr. Bert Cottine, OSHA, Dept. of Labor

Dr. J. William Lloyd, United Steelworkers of America
Dr. Lawrence Plumlee, Environmental Protection Agency

Dr. Arthur Langer, Mt. Sinai School of Medicine

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