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Occupational Exposures to Fibrous and Particulate Dust



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**

*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. Wahner, Battelle Pacific Northwest Laboratories

Panel Dr. Fred Pooley, University College, Cardiff

Discussion: Dr. Philip M. Cook, National Water Quality Laboratory, Duluth  
Dr. Jack Haxington, 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 Saracchi, 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 Dr. William Johnson, University of Washington

Discussion: 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 Dr. Anders Englund, Bygghälsan, Stockholm

Discussion: 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 Dr. Arthur Langer, Mt. Sinai School of Medicine

Discussion: 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 Dr. Hector Blejer, City of Hope Medical Center, Calif.

Discussion: 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* Dr. Janette Sherman, Wayne State University

*Discussion:* 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* Dr. Robert Harris, Environmental Defense Fund

*Discussion:* 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

# PROGRAM PARTICIPANTS

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