THE NEW YORK ACADEMY OF SCIENCES

East Sixty-third Street New York, N.Y. 10021

MAY 10, 11, 1974

WORKING GROUP TOXICITY OF VINYL CHLORIDE – POLYVINYL CHLORIDE

E. Cuyler Hammond, Sc.D., President
Kenneth Wade Thompson, M.D., Acting Associate Executive Director
Herbert J. Kayden, M.D., Chairman, Conference Committee

Co-Sponsors:

American Cancer Society
National Institute of Environmental Health Sciences
National Institute for Occupational Safety and Health
Society for Occupational and Environmental Health

All sessions at
THE DELMONICO HOTEL
Park Avenue at 59th Street
New York, N.Y. 10022

URL 18504

CONFERENCE CHAIRMEN:

Irving J. Selikoff, M.D.
Mount Sinai School of Medicine of the City University of New York

and

E. Cuyler Hammond, Sc.D.
American Cancer Society
New York City, N.Y.

8:00 A.M. REGISTRATION

8:45 A.M. GREETINGS FROM THE ACADEMY
E. C. Hammond, Sc.D., President

INTRODUCTORY REMARKS
I. J. Selikoff, M.D., Mount Sinai School of Medicine of the City University of New York

9:00 A.M. MORNING SESSION

SESSION CHAIRMAN

M. M. Key, M.D.
National Institute for Occupational Safety and Health
Rockville, Md.

NON-MALIGNANT DISEASE

CHAIRMEN

E. Mastromatteo, M.D.
International Labour Office
Geneva, Switzerland

and

M. N. Johnson, M.D.
B. F. Goodrich Co.
Akron, Ohio

1.a CLINICAL MANIFESTATIONS AND COURSE OF VINYL CHLORIDE DISEASE

G. Veltman, M.D., C. E. Lange, M.D., S. Jühe, M.D., G. Stein, M.D. and U. Bachner, M.D., University of Bonn, Bonn, Germany

b. FURTHER RESULTS IN POLYVINYL CHLORIDE PRODUCTION WORKERS

C. E. Lange, M.D., S. Jühe, M.D., G. Stein, M.D. and G. Veltman, M.D., University of Bonn, Bonn, Germany

2. DISEASE AMONG VINYL CHLORIDE – POLYVINYL CHLORIDE WORKERS IN ROMANIA — OBSERVATIONS 1963-1973

I. Suciu, M.D., L. Prodran, M.D., E. Ilea, M.D., A. Paduraru, M.D., C. Valaszkai, M.D. and L. Pascu, M.D., Occupational Diseases Clinic, University of Cluj, Romania

FRIDAY, MAY 10, 1974

3. LIVER DAMAGE AMONG POLYVINYL CHLORIDE PRODUCTION WORKERS

J. L. Creech, M.D. and L. Makk, M.D., University of Louisville, Louisville, Ky.

4. ACROOSTEOLYSIS IN VINYL CHLORIDE PLANTS IN JAPAN

H. Sakabe, M.D., National Institute of Industrial Health, Kawasaki, Japan

5. PREVALENCE OF DISEASE AMONG VINYL CHLORIDE AND POLYVINYL CHLORIDE WORKERS

R. Lilis, M.D., S. Daum, M.D., H. A. Anderson, M.D., S. A. Fischbein, M.D. and I. J. Selikoff, M.D., Mount Sinai School of Medicine of the City University of New York

Discussion opened by:
P. Berk, M.D., National Institute of Arthritis, Metabolic and Digestive Diseases, Bethesda, Maryland and A. Miller, M.D., Mount Sinai School of Medicine of the City University of New York

6. UNUSUAL SPLENOMEGALIC LIVER DISEASE AS EVIDENCED BY PERITONEOSCOPY AND GUIDED LIVER BIOPSY AMONG POLYVINYL CHLORIDE PRODUCTION WORKERS

H. J. Marsteller, M.D., W. K. Leibach, M.D., R. Müller, M.D. and P. Gedigk, M.D., University of Bonn, Bonn, Germany.

7. ALTERATIONS OF LIVER AND SPLEEN AMONG WORKERS EXPOSED TO VINYL CHLORIDE

H. Popper, M.D., Fogarty Center, National Institutes of Health, Bethesda, Maryland and Mount Sinai School of Medicine of the City University of New York, and L. B. Thomas, M.D., National Cancer Institute, Bethesda, Md.

Discussion opened by:
P. Gedigk, M.D.
University of Bonn
Bonn, Germany

EXPERIMENTAL OBSERVATIONS

CHAIRMAN

E. J. Fairchild, II, Ph.D.
National Institute for Occupational Safety and Health
Rockville, Md.

8. BIOCHEMICAL APPROACHES TO EVALUATION OF BIOLOGICAL EFFECTS OF VINYL CHLORIDE

P. Gehring, Ph.D., Dow Chemical Company, Midland, Michigan

URL 18505

Discussion opened by:
G. Oster, Ph.D., Mount Sinai School of Medicine of the City University of New York and R. J. Jaeger, Ph.D., Harvard School of Public Health, Boston, Mass.

LUNCHEON

2:00 P.M. AFTERNOON SESSION

SESSION CHAIRMAN
R. S. F. Schilling, M.D.
London School of Hygiene and Tropical Medicine
London, England

NEOPLASTIC EFFECTS

CHAIRMAN
J. W. Lloyd, Sc.D.
National Institute for Occupational Safety and Health
Rockville, Md.

9. CHARACTERISTICS OF CASES OF ANGIOSARCOMA OF THE LIVER IN U.S. VINYL CHLORIDE - POLYVINYL CHLORIDE WORKERS

C. W. Heath, Jr., M.D. and H. Falk, M.D., Bureau of Epidemiology, Center for Disease Control, Atlanta, Georgia

10. MORTALITY STUDY OF POLYVINYL CHLORIDE WORKERS

I. R. Tabershaw, M.D., and W. Gaffey, Ph.D., Tabershaw-Cooper Associates, Inc., Berkeley, California.

11. INDUSTRY-WIDE INVESTIGATION OF DISEASE MANIFESTATIONS AMONG WORKERS EMPLOYED IN VINYL CHLORIDE — POLYVINYL CHLORIDE PRODUCTION

J. K. Wagoner, S.D. Hyg., J. Mallov, M.D. and W. Stringer, M.D., National Institute for Occupational Safety and Health, Cincinnati, Ohio.

12. MORTALITY EXPERIENCE OF A COHORT OF VINYL CHLORIDE - POLYVINYL CHLORIDE WORKERS, 1946-1973

W. J. Nicholson, Ph.D., E.C. Hammond, Sc.D. and I. J. Selikoff, M.D., Mount Sinai School of Medicine of the City University of New York and the American Cancer Society, New York City, New York.

Discussion opened by:
T. F. Mancuso, M.D., University of Pittsburgh School of Public Health, Muriel L. Newhouse, M.D., London School of Hygiene and Tropical Medicine, London, England and B. Holmberg, Ph.D., National Board of Occupational Safety and Health, Stockholm, Sweden.

13. PATHOLOGY OF ANGIOSARCOMA OF THE LIVER AMONG VINYL CHLORIDE - POLYVINYL CHLORIDE WORKERS

L. B. Thomas, M.D. and H. Popper, M.D., National Institutes of Health, Bethesda, Md.

Discussion opened by:
H. L. Stewart, M.D., National Cancer Institute, Bethesda, Md. and O. Auerbach, M.D., Veterans Administration Hospital, East Orange, N.J.

EXPERIMENTAL OBSERVATIONS

CHAIRMAN
U. Saffiotti, M.D.
National Cancer Institute
Bethesda, Md.

14. HEMATOGENOUS DISSEMINATION OF INGESTED PVC MICROPARTICLES

G. Volkheimer, M.D., Berlin, Germany

15. CARCINOGENICITY BIO-ASSAYS OF VINYL CHLORIDE: CURRENT RESULTS

C. Maltoni, M.D. and G. Lefemine, M.D., Institute of Oncology and Tumor Center, Bologna, Italy

16. EXPERIMENTAL STUDIES WITH VINYL CHLORIDE

M.L. Keplinger, Ph.D., J.W. Goode, Ph.D., D.E. Gordon, D.V.M., Ph.D., and J.C. Calandra, M.D., Ph.D., Industrial Bio-test Laboratories, Inc., Northbrook, Ill.

Discussion opened by:
Eula Bingham, Ph.D.
University of Cincinnati,
Cincinnati, Ohio
and B.L. Van Duuren, Ph.D.
New York University
New York City, N.Y.

7:30 P.M. SUBSCRIPTION DINNER
DELMONICO HOTEL

9:00 A.M. MORNING SESSION

SESSION CHAIRMAN
E. Dixon, M.D.
Celanese Corp.
New York City, N.Y.

CONTROL OF EXPOSURE

CHAIRMAN
C. Levinson
International Federation of Chemical and General Workers' Unions
Geneva, Switzerland

17. EXPERIENCE IN INDUSTRIAL EXPOSURE CONTROL

V. K. Rowe, Ph.D., Dow Chemical Company, Midland, Michigan

18. THE ENVIRONMENTAL THREAT FROM VINYL CHLORIDE BEYOND THE WORK PLACE

G. Schweitzer, Ph.D., Environmental Protection Agency, Washington, D.C.

Discussion opened by:
M. Corn, Ph.D., University of Pittsburgh School of Public Health, Pittsburgh, Pa. and V. A. Newill, M.D., Environmental Protection Agency, Washington, D.C.

PROBLEMS AND PERSPECTIVES

CHAIRMAN
N. J. Roberts, M.D.
Exxon Corporation
New York City, N.Y.

19. CLINICAL MANAGEMENT OF WORKERS EXPOSED TO VINYL CHLORIDE AND POLYVINYL CHLORIDE

C. A. Johnson, M.D., Goodyear Tire and Rubber Company, Akron, Ohio

20. SURVEILLANCE OF WORKERS WITH HISTORY OF EXPOSURE TO VINYL CHLORIDE

L. Beliczky, A. Mazzocchi and G. Perkel, Vinyl Chloride Health Committee, Industrial Union Department, AFL-CIO, Washington, D.C.

21. EPIDEMIOLOGICAL APPROACHES TO THE EVALUATION OF EXTENT OF NEO PLASTIC RISK OF VINYL CHLORIDE —POLYVINYL CHLORIDE

E. C. Hammond, Sc.D., American Cancer Society, New York City, N.Y.

22. MOUSE TO MAN — EXTRAPOLATION OF LABORATORY RESULTS TO HUMAN DISEASE

M. A. Schneiderman, Ph.D., National Cancer Institute, Bethesda, Md.

Discussion opened by:
R. Doll, M.D., Oxford University, Oxford, England