

MINUTES of the one hundred seventy-ninth meeting of the Directors of the Manufacturing Chemists' Association, Inc., held at the Chicago Club, Chicago, Illinois, on Tuesday, October 8, 1968, at 11:00 a.m. (CDT).

There were present:

|                              |                    |
|------------------------------|--------------------|
| Carl A. Gerstacker, Chairman | John O. Logan      |
| F. Leonard Bryant            | Earl T. McBee      |
| Harry W. Buchanan            | C. B. McCoy        |
| E. E. Chipman                | Charles S. Munson  |
| George H. Decker             | Joseph A. Neubauer |
| George S. Dillon             | L. J. Polite, Jr.  |
| Louis K. Eilers              | Jack M. Pope       |
| Irb H. Fooshee               | Charles H. Rybolt  |
| Clifton C. Garvin, Jr.       | Jack B. St. Clair  |
| Maurice F. Granville         | Charles W. Smith   |
| Roger W. Gunder              | Harold E. Thayer   |
| Leonard Hynes                | James R. Carnes    |

Alternates:

- Stanley H. Anonsen (for Harold E. Thayer)
- Chester M. Brown (for Irb H. Fooshee)
- J. E. Burrell (for Joseph A. Neubauer)
- John W. Clinton (for W. Kenneth Menke)
- James W. Kettle (for Roger W. Gunder)
- M. M. McGrew (for M. Roger Clapp)
- Thomas B. Nantz (for Harry B. Warner)
- Frank J. Pizzitola (for John W. Brooks)
- G. S. Roberts (for Leonard Hynes)
- Nels E. Sylvander (for Charles H. Rybolt)
- Robert M. Thomas (for Earl T. McBee)

General Counsel: Lloyd Symington

Present by Invitation:

- T. A. Aho, Abbott Laboratories
- E. H. Boll, Carus Chemical Company, Inc.
- E. R. Boulden, General Mills, Inc.
- Herschel H. Cudd, Amoco Chemicals Corporation
- B. J. Dougherty, Hercules Incorporated
- William J. Ferracone, Miles Laboratories, Inc.
- James H. Gardner, Armour Industrial Chemical Company
- S. U. Greenberg, DeSoto, Inc.
- Norman E. Hathaway, Velsicol Chemical Corporation
- W. E. Kennel, Amoco Chemicals Corporation
- John F. Kirk, Michigan Chemical Corporation
- H. Stanley Lawton, The Richardson Company
- R. F. Mahlberg, E. I. du Pont de Nemours & Company
- James G. Morton, MCA
- M. E. Mulligan, Enjay Chemical Company
- C. E. Parrott, Shell Chemical Company

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Subject to Protective Order in  
Ross v. Conoco, Inc., No. 90-4937  
14th Judicial District Court  
Calcasieu Parish, Louisiana

**NON-RESPONSIVE MATERIAL REDACTED**

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Preliminary findings in the Epidemiologic Investigation of Polyvinyl-chloride Resin Manufacture, supported by 19 member companies and two non-member companies, indicated six manufacturers have no cases of probable bone lesions. In certain other cases the problem is to determine whether a lesion is due to mechanical injury or to the condition under study. For confirmation, x-rays have been repeated. It is anticipated the investigation can be concluded with a computer analysis and correlation study. Following a final report, participating member companies will be invited to a group meeting with University of Michigan personnel to discuss the problem and to deal with questions which do not conflict with the confidentiality of proprietary information.

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The epidemiologic study at Michigan Institute of Industrial Health supported by 19 member and two non-member producers of polyvinyl chloride has been completed. The Institute director has written each company pertaining to findings concerning its employees having cases or suspected cases of Raynaud's phenomenon or occupational acroosteolysis. There is a strong suspicion that "polycleaning" operations might be a contributing cause in seven or more companies. A report on the work, after review by a Task Group of the Occupational Health Committee, has been cleared to the full Committee and the participating company representatives who have been invited to a Washington meeting May 6 at which time the Institute staff can clarify any questions on this complex subject. This will also provide an opportunity for free and open discussion of the problem to the extent that proprietary information is not disclosed.

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