PLAINTIFF'S EXHIBIT 220

MINUTES
of the
HEALTH & SAFETY COMMITTEE MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
New York, N. Y. June 16, 1966

The meeting was called to order at 10:00 A. M. with the following in attendance:

MEMBERS PRESENT

Dr. K. Smith, Chairman	Johns-Manville Sales Corp.
F. H. Edwards	Owens-Corning Fiberglas Corp.
Dr. L. Grant	Pittsburgh Plate Glass Company
J. E. Johnson (Proxy for R. Cotts)	Gustin-Bacon Mfg. Company
R. Kahn	Baldwin-Ehret-Hill, Inc.
H. R. Mesler	The Ruberoid Company
R. S. Ringwalt	Owens-Corning Fiberglas Corp.
W. VanDerbeek	Johns-Manville Sales Corp.

OTHERS PRESENT

W. Gubar	Gustin-Bacon Mfg. Company
G. Hammond	Owens-Corning Fiberglas Corp.
A. C. Pecora	Pittsburgh Plate Glass Company
J. M. Barnhart	NIMA

It was reported C. Sheckler, due to the press of other work, had to resign as acting Chairman of the Committee.

A motion was made, seconded, and unanimously passed

That Dr. K. Smith be elected Chairman.

HEALTH & SAFETY PROGRAM WITH IDCNA

After extensive discussion the Committee felt it should review all data and facts available from industry prior to determining what type of program is practical with IDCNA. Each company is to bring medical data, x-ray results, industrial hygiene survey reports, or any other information which could be used, to the next meeting for evaluation.

EROSION TESTS OF FIBROUS GLASS DUCT LINER AND DUCT SYSTEMS

It was agreed that two separate types of tests were needed, i.e., engineering and health.

Insofar as the engineering tests are concerned the following was agreed to:

(a) U. L. 181 test shall be used as a basis for air erosion.

(b) All materials shall be tested, i.e., each company's duct liner and air duct system(s).

(c) Each company is to communicate with F. Wilson as to the products to be tested.

(d) The technical details are to be worked out by:
F. Wilson, Chairman
J. F. Corey
W. Gubar
R. Neisel

The Health & Safety Committee will evaluate results of the tests carried out by the technical group to determine whether a health hazard exists.

With respect to health aspects it was agreed that the following be undertaken:

(a) Short term study - to combat undesirable publicity and give facts to merchandising and sales personnel to use in their responsibilities.

This would encompass reaearch sampling of effluent air from research and commercially installed duct systems to meet the American Conference of Governmental Industrial Hygienists threshold limit values.

(b) Long term study - to determine the effect of intratracheal injection and inhalation of glass fibers in animals.

(c) Study of post mortem materials available now or in the future.

One company representative introduced a proposal from the Industrial Hygiene Foundation to study the effect of inhalation of glass fibers, pulmonary function studies on glass workers, and skin irritation studies which might result from fibrous glass handling.

This subject was discussed briefly and will be placed on the Agenda of the July 20, 1966, meeting.

If any company has independent research program proposals which they believe might be sponsored by NIMA, they are encouraged to bring them to the July 20, 1966, meeting.

It was agreed that the results of the Kettering Institute erosion tests should be used to counteract the adverse publicity that has been promulgated pertaining to fibrous glass air ducts and duct liners.

The Committee agreed that a joint industry government committee be formed for the purpose of evaluating air erosion of duct liner and duct systems.

INDUSTRIAL HYGIENE FOUNDATION
PROPOSAL TO INDEPENDENT COMPANIES

The Committee agreed that the proposal as outlined in the Industrial Hygiene Foundation letter of April 15, 1966 (since modified) and attached to the previous Minutes, is worthwhile and recommends that each individual company participate. However, this is not an NIMA sponsored program.

OTHER BUSINESS

The next Committee Meeting is scheduled for July 20, 1966, in Pittsburgh, Pa.

ADJOURNMENT

There being no further business, the meeting was adjourned.

Respectfully submitted

J. M. Barnhart