MINUTES
of the
ANNUAL MEETING

NATIONAL INSULATION MANUFACTURERS' ASSOCIATION

Dallas, Texas October 4, 1970

The meeting was called to order at 9:00 A.M. by President P.D. Kaley, with the following in attendance:

Certain-Teed/St. Gobain Valley Forge, Pa.	F.R. Winnert E.H.L. Thompson
GAF Corp. New York, N.Y.	R.W. Henry
Johns-Manville Sales Corp. New York, N.Y.	R.E. Naylor C.L. Sheckler
Owens-Corning Fiberglas Corp. Toledo, Ohio	J.F. Vyverberg D. Glosser
Pittsburgh Corning Corp. Pittsburgh, Pa.	J.H. Price, Jr.
PPG Industries Pittsburgh, Pa.	P.D. Kaley J.E. Brownell, Jr.
NIMA	J.M. Barnhart

APPROVAL OF MINUTES

A motion was made, seconded, and passed that the Minutes of the Spring Meeting of April 27, 1970, as bulletined by the Association be approved.

TRAFFIC COMMITTEE REPORT

In the Chairman's absence, J.M. Barnhart reported as follows:

The Rule 34 restriction against a 24,000 pound minimum weight, proposed by the railroads in May of 1969, was delayed until August 10, 1970. At that time, however, the railroads did place the restriction. Our only accomplishment in this area was delaying the activation of the restriction for 15 months.

The National Classification Board proposed in February of 1970 to increase the rating on mineral wool, fill from Class 37-1/2 at 24,000 lbs. to Class 50 at 24,000 lbs. We protested this action and appeared before the Board in April of this year. As a result of our appearance, they established Class 60 at 18,000 lbs. Based on a truckload charge, we gained a 10% reduction.

PLAINTIFF'S EXHIBIT P-265

There is before the Interstate Commerce Commission at this time a proposal to increase rail rates by 8% effective September 15 and 7% effective November 1. While we have not made a direct protest, practically all of the companies who are members of this organization are also members of the National Industrial Traffic League who are strenuously fighting this action.

PUBLICITY COMMITTEE REPORT

In the Chairman's absence, J.M. Barnhart reported that the Committee had made arrangements for the NIMA Booth at the Western Air Conditioning Show and the SMACNA Convention during 1970.

STATISTICAL COMMITTEE REPORT

In the Chairman's absence, J.M. Barnhart reported as follows:

The Committee met September 9, 1970 at 9:30 A.M. in New York City, with the following in attendance:

T.S. Bassett, Chairman	J-M
J.M. Barnhart	NIMA
Robie L. Cone, Jr.	O-C
Dennis Paterno	PPG
Frank R. Venditti	CSG

REVIEW OF COMMITTEE SCOPE

The Committee briefly reviewed the intent and scope of its activities. They consist almost entirely of monitoring the Association's statistical reporting program, including the rules, mechanics, and definitions that prevail.

TIMELINESS OF REPORTS

The statistical reports are coming out sooner after the close of each month than ever before. This promptness is entirely within the control of reporting members. Price, Waterhouse consolidates, prints, duplicates, and mails out the shipment data (complete with a partner's signature) within two days of receiving all members' reports.

In this connection, we propose to change the reporting rule to the effect that members should report to Price, Waterhouse within thirty (30) days of the month's end. If all members report by that date, the industry shipments should be back in everyone's hands by the first or second week of the second month following that reported.

Mr. Barnhart is also going to discuss with Price, Waterhouse the possibility of their office keeping track of members' on-time reporting, to determine if that speed of reporting is feasible.

REPORTING FORM REVISION

The Committee recommends that the statistical reporting forms be revised to combine Duct Liners with Round and Rectangular Duct on the same page. This will occasion deletion of "Board and Felt" duct liners, which are never reported separately, and deletion of the columns for company sales and percent of industry now appearing on the Preformed Duct Form. Mr. Barnhart has agreed to take up these form revisions with Price, Waterhouse, if the members affected agree.

UNREPORTED ITEMS

In discussion of the numerous product items not reported in industry shipments, it was brought out that they might not be deleted from the reporting system and forms because their sales, although by fewer than three members, are still considered in the dues base of the Association.

PRIVATE BRANDED PRODUCTS

The Committee again emphasizes the reporting rules adopted last year by the Board of Directors:

1. Intra-association sales of private brand items are reported by the ultimate seller, not the manufacturer, for the more accurate geographical breakdown and dollar value;

2. Private brand purchases from a non-member are reported by the ultimate selling member;

3. Sales by a member to a non-member for resale are reported by the member.

In the coming forms revision, this section of the printed reporting rules will be brought up to date.

LIST OF MEMBERS' PRODUCT TRADE NAMES

Mr. Barnhart is to canvass the membership for a list of product trade names, by statistical reporting categories, and publish the consolidated list for all members by the end of the year.

TECHNICAL & RESEARCH COMMITTEE REPORT

J.M. Barnhart reported as follows:

Since the April 28, 1970, NIMA Spring Meeting, the technical activities have included the following:

ASHRAE T.C. 2.4 - TASK GROUP I,
NEW YORK, N.Y., MAY 14, 1970

This Committee Meeting was attended for the purpose of discussing proposed changes to the ASHRAE GUIDE.

NFPA AIR CONDITIONING COMMITTEE MEETING,
TORONTO, CANADA, MAY 18, 19, 20, 1970

The Committee met for the purpose of discussing proposed changes to NFPA Standards 90A and 90B.

ASTM E-5 COMMITTEE MEETING,
TORONTO, CANADA, JUNE 22, 23, 24, 1970

The various Sub-committees met for the purpose of discussing proposed changes to:

1. ASTM E-119 - Fire Tests of Construction and Materials.
2. Development of a test standard relating to the fire endurance of ducts.
3. ASTM E-84 - Test for surface burning characteristics of building materials.

ASHRAE COMMITTEE T.C. 2.4 - TASK GROUP III
COLORADO, SEPT. 10 & 11, 1970

This Committee met for the purpose of finalizing proposed changes to the ASHRAE GUIDE.

** T & R COMMITTEE MEETING
WILLIAMSBURG, VA., OCTOBER 2, 1970

The Sub-committees met for the purpose of discussing the following:

1. ASTM Specs.
   (a) C-533.
   (b) Combined Mineral Fiber Specs.
2. Temperature Limits.
3. Combined Military Specs.
4. Fire Hazard Classification.

** NFPA AIR CONDITIONING COMMITTEE,
CLEVELAND, OHIO, SEPTEMBER 23, 1970

This Committee met for the prupose of discussing proposed changes to NFPA Standards 90A & 90B.

It was also reported that the Mineral Fiber Section had met at Williamsburgh, Va., on October 2, 1970.

He also reported he had attended the course on Asbestosis at Mt. Sinai Hospital, in June of 1970.

DUCT COMMITTEE REPORT

J.M. Barnhart reported on the activities of the Committee in accordance with the Minutes of the Meeting which are attached hereto and made part of these Minutes.

OCCUPATIONAL HEALTH & SAFETY COMMITTEE REPORT

In the Chairman's absence, J.M. Barnhart reported as follows:

During the past year the Health and Safety Committee of NIMA has been actively involved in sponsoring research into the health aspects of fibrous glass. Listed below is a status on these studies:

A. USPHS - Dr. Lewis Cralley

1. In-Plant Environmental Study to determine fiber glass dust exposure to employees manufacturing fibrous glass insulation - Completed and Published.

2. Death Records Study of former employees with long-term exposure in the fiber glass manufacturing industry - In Progress; estimated completion date, October 1971.

B. INDUSTRIAL HEALTH FOUNDATION - Dr. Paul Gross

1. Intra-tracheal injection of animals with fibrous glass - Completed and Published.

2. Inhalation Exposure of Animals to Fibrous Glass - Completed and Published.

3. Clinical examination including pulmonary function testing of employees with long-term exposure to fibrous dust in a fibrous glass manufacturing plant - Completed; paper to be given at the Annual Meeting of the Industrial Health Foundation in October.

C. UNIVERSITY OF CALIFORNIA - BERKELEY - Dr. W. Clark Cooper

1. Study of Duct Erosion in Fiber Glass Lined Air Conditioning Systems - Completed and Submitted for Publication.

2. Construction Site Environmental Study to determine fiber glass dust exposure to members of the Heat and Frost Insulators Union - Completed and Submitted for Publication.

3. Study of Fibrous Glass Concentrations in Ambient Air - In Progress.

   Sampling in the Bay Area has been completed.

   Sampling in other urban areas, as well as remote areas, will be completed within the next month.

   A preliminary draft of the report will be completed by December 15, 1970.

4. Construction Site Environmental Study to determine fiber glass dust exposure to members of the Sheet Metal Workers' Union - In Progress.

   The field work will be completed by November 1, 1970.
   The analysis of the samples will be completed by December 1, 1970.
   A preliminary draft of the report will be completed by December 15, 1970.

D. UNIVERSITY OF CINCINNATI (KETTERING LABORATORY) - J. Cholak

1. Study of Duct Erosion in Fibrous Glass Lined Air Conditioning - Completed and Submitted for Publication.

E. ADDITIONAL RESEARCH PROPOSALS UNDER CONSIDERATION

The additional research proposals under consideration at this time are as follows:

1. Industrial Health Foundation - Dr. Paul Gross

   Bioeffects of Sub-Micron Diameter Fibers on the Lungs - to be thoroughly reviewed at the October 12 Meeting of the Health and Safety Committee.

2. Possible Migration of Fibrous Glass Within the Lung - to be thoroughly reviewed at the October 12 Meeting of the Health and Safety Committee.

3. University of California - Berkeley - Dr. W. Clark Cooper and Industrial Health Foundation

Epidemiological Study of Sheet Metal Workers
- To be carried out in conjunction with the Sheet Metal Workers' Union.

- To be thoroughly reviewed at the October 12 Meeting of the Health and Safety Committee.

4. Other possible research

- It may be necessary to conduct additional research into specific areas of fibrous glass, as well as other insulating materials during the coming year. This general topic will be a subject for discussion at the October 12 Meeting.

EDUCATION & LEGISLATION COMMITTEE REPORT

Chairman C.L. Sheckler reported as follows:

A review was presented of the detailed activity in conjunction with legislation to eliminate the use of fibrous glass insulation next to the air stream in Kansas, California, Massachusetts, Florida, Kentucky, New York City, Philadelphia, San Francisco, Los Angeles, and DeKalb County, Georgia (Atlanta). The report was made in relation to coordination of this committee in conjunction with the Health and Safety Committee concerning meetings to review medical and engineering research with Dr. Cholak, University of Cincinnati; Dr. Cooper, University of California; and Dr. Balzer, University of California.

The report of the meeting held between the Chairman and Alex Cross, Asbestosis Research Council, Great Britain, was made. This meeting related to problems of asbestos and fibrous glass used in insulation products in Great Britain and throughout Europe. The discussion included subjects of health, injury prevention, Workmen's Compensation litigation, third party litigation, and government controls.

The Chairman reported on a meeting held with Eastman Kodak Corp., Rochester, N. Y., concerning the use of insulation materials as related to health and control problems

The Chairman reported on the meeting held with Dr. Selikoff in relation to a report on biological effects of modified inorganic micro particulates work being conducted at Mt. Sinai Hospital and Fairleigh Dickinson University.

A report was made on the attendance by the Education and Legislation Committee and the Health and Safety Committee at the American Industrial Hygiene Assn. Meeting in Detroit, at which papers were presented on fibrous glass.

The Chairman reported on discussions with Dr. F. Pundsack, Johns-Manville Corp., concerning the effect of microscopic size fibrous material.

A report was made on the draft of the new booklet entitled: "Health Aspects of Fibrous Glass in Air Transmission Systems for Building Construction".

A report was made on this committee's meeting with the N. Y. City Environmental Protection Assn. There was also a discussion of the tentative Ohio legislation concerning fibrous glass in air streams systems. Mr. Vyverberg and Mr. Barnhart attended a meeting with the legislators in Columbus.

The Chairman reported on a meeting with AT&T regarding a letter concerning fibrous glass written by Mr. Turner, Chief Engineer for AT&T.

A report was made concerning a meeting with Dr. Cooper and E. Carlough regarding a Sheet Metal Workers Health Study.

A report was made concerning the new ship repair, shipbuilding and shipbreaking regulations promulgated by the U. S. Dept of Labor requiring Material Safety Data Sheets for all products purchased or used by the Navy or coast Guard.

The Chairman made the following recommendations:

1. That NIMA increase activities in the areas of accident and injury prevention, occupational health, and medical-engineering scientific research, in order to cope with the increasing problems of legislation, litigation and customer relations. He requested permission to offer NICA services in these areas that would assist contractors.

2. Additional medical-engineering research in the following areas:

   a. Development of products to reduce dust.

   b. Inhalation studies of microscopic size fibre.

   c. Supplement USPHS epidemiological study with an independent radiological evaluation of industry manufacturing employees.

   d. Support the Dr. Cooper Sheet Metal Workers Study or provide other means to maintain the Drs. Tabershaw, Cooper, Balzer organization at the University of California for the forthcoming year.

3. Change the NIMA committee structure and titles to improve committee activities:

   a. Change the current Health and Safety Committee title to the Medical-Scientific Committee.

   b. Change the Education and Legislation Committee title to the Health and Safety Committee.

   c. Increase the Health and Safety Committee (Education and Legislation) budget to provide safety engineering, industrial hygiene engineering, environmental control, and other services to NICA.

   d. Improve NIMA public relations efforts by increasing publications, with positive approach concerning insulation materials, in various trade journals and news media.

   e. Increase communications and improve relationships with SMACNA contractors.

Following the Committee Report the membership expressed their thanks and appreciation to the Committee for the work and accomplishments they were doing in behalf of the industry.

Copies of "Health Aspects of Fibrous Glass in Air Transmission Systems for Building Construction" were distributed to the Board of Directors for perusal. Comments should be sent to the NIMA office within 10 days.

It was unanimously agreed that C. Sheckler should relate any adverse comments that may arise on the subject of thermal insulation during the NICA Meeting.

It was recommended that any activities in conjunction with thermal insulation products be handled as a NIMA project.

REPORT OF NOMINATING COMMITTEE

J.F. Vyverberg reported that the Nominating Committee proposes the following Slate of Officers and Directors be placed in nomination for the year 1971:

Officers

President:	P.D. Kaley
Vice President	R.E. Naylor
Treasurer	J.F. Vyverberg

Directors

P.D. Kaley, Chairman	PPG Industries
G.T. Overholt	Burlington Industries
B. Leaman	Certain-Teed/St. Gobain
R.E. Naylor	Johns-Manville
R.W. Henry	GAF Corp.
M.M. Wilson	Keene Corp.
J.H. Price, Jr.	Pittsburgh-Corning
J.F. Vyverberg	Owens-Corning

A motion was made, seconded, and passed -

That the Slate of Officers and Directors as proposed by the Nominating Committee be elected.

ADJOURNMENT

There being no further business, the meeting was adjourned.

Respectfully submitted,

J.M. Barnhart