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NIMA

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Distributors
+ Contractors

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MINUTES
of the
SPRING MEETING

National Insulation Manufacturers Association
New York, N. Y. April 16, 1968

The meeting was called to order by President R. W. Henry with the following in attendance:

Baldwin-Ehrst-Hill, Inc.
Trenton, N. J.

G.A.P. (Ruberoid)
New York, N. Y.

Johns-Manville Sales Corp.
New York, N. Y.

Owens-Corning Fiberglas Corp.
Toledo, Ohio

PPG Industries
Pittsburgh, Pa.

Holmes Insulations Limited
Downsview, Ontario, Canada

Cadwalader, Wickersham & Taft

Wathen/Walsh

NIMA

M. M. Wilson
G. Barth

R. W. Henry
W. C. O'Brien
W. C. Schwabgen

M. W. Burleson
T. B. Bassett
C. Shackler

J. P. Vyverberg
D. MacCurdy

R. L. Loeffler
L. B. Grant, M.D.
W. T. Irwin

E. H. Thring

J. Boyer

A. Walsh

J. M. Barnhart

P. D. Japp

GUEST

Philip Carey, Corp.
Cincinnati, Ohio

APPROVAL OF MINUTES

A motion was made, seconded, and passed

That the Minutes of the Meeting of September 25, 1967, as bulletined by the Association be approved.

TRAFFIC COMMITTEE REPORT

No report was given, however, it was announced that a Committee Meeting is to be held in the near future.

PUBLICITY COMMITTEE REPORT

Ambrose Walsh, publicity counsel, reported in detail on the following:

NIDA Newsletter Program 1967

1. Budget: \$3000 to cover all costs of supplying 4 issues of a two-page newsletter for insertion in IDCA NEWS as a paid advertisement;
2. Goals: keep IDCA aware of NIDA's interest in the contractor's welfare;
3. Accomplishments.
 - a. 2 issues published in 1967; programs in both costs and goals;
 - b. costs: payment to IDCA for each issue is \$160 and payment to printer for preparation has averaged \$350 per issue leaving only \$240 to cover Wathen/Walsh fee for preparation; it has never been possible to prepare in that time equivalent (12 man hours);
 - c. goals: seem to be unreal in terms of contractors who fear shrinking market and competitive materials which may decrease their market; contractor goals seem to be unaligned with NIDA's and realistic appraisal of union goals also is necessary.

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NIMA Newsletter Recommendations for 1968

1. Budget: increase budget or reduce frequency of appearance to allow a fee to Wathen/Walsh Associates of \$450 per issue for a total price of \$1,000.00 per issue to cover cost for space in IDCA NEWS plus the associated production costs;
2. Goals: realign goals to the needs of the IDCA-NIMA-Union relationship; decide whether supposed decline in contractor market and labor employment is due to changes in materials, types of jobs in area, changes in country's economy or attitudes of contractors or unions themselves; evaluate the union and contractor concern and presumed goals with each's long term, best interests in view; if threats appear to be a reality of the relationships, evaluate the weaknesses in each's position and communicate the awareness of those weaknesses so that all concerned are aware of everything at stake; be aware that over the long term, threats do not work.
3. Methods: evaluate other programs for reaching these goals and realize that continuation of the newsletter program in the present framework may only obscure the situation.

Fibrous Duct System Program for 1968

1. Budget: established at \$8,000 as in 1967; (reasonable with limit on goals and projects and a clearer understanding of needs by all concerned and evident greater cooperation);
2. Goals:
 - a. emphasize to management that material is growing in acceptance, has engineering and economic advantages; that NFPA and SPACNA acceptance is real and meaningful;
 - b. emphasize to contractors the growing acceptance of fibrous duct across the country and the new attitude of SPACNA and NFPA toward the material;
 - c. emphasize to all segments of the industry the new attitude of the sheetmetal workers to the material;

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3. Achievements:

- a. 12 page cover story in the leading sheet metal contractor publication, AMERICAN ARTISAN, December 1967; 8000 reprints distributed;**
- b. 24 page cover story in one of the leading engineering magazines, AIR CONDITIONING HEATING & VENTILATING, February, 1968; 10,000 reprints distributed;**
- c. 16 page technical report on fibrous duct integrity in moving air stream drafted for Kettering Laboratory and distributed in pre-print form to each manufacturer (4000 copies) and scheduled for appearance in a leading medical research publication concerned with air borne material.**

* * * * *

After detailed discussion, a motion was made, seconded, and passed

That the Publicity Council should produce 3 Newsletters in 1968, at a cost not exceeding \$3,000.00.

MARKETING RESEARCH COMMITTEE REPORT

Mr. T. S. Bassett reported as follows:

The chief responsibility of the Marketing Research committee has been to set up and monitor the statistical reporting of members' shipments through Price Waterhouse, the public accounting firm.

After a series of revisions and consolidations over the past several years, this system is operating smoothly and in continuity with the past ten years' statistics. The major change has been to report by state of destination. Total 1967 industry sales for each product are still comparable to those for any year, 1958 through 1966.

In the ten years of reporting completed, MRA industry shipments have shown an average annual growth rate of 2.2%. But, from 1966 to 1967, industry shipments rose by 7%. Last year's total net dollar sales were of course a record high since the founding of the Association.

Timeliness is a shining virtue of any information system. Although our reporting system runs smoothly, it also runs consistently late.

As far as we can determine, the late reports from Price Waterhouse are due entirely to late reports from the members. It takes Price Waterhouse only two days to compile the figures, have them typed and duplicated, get a partner's signature, and mail out the total industry report. Probably the greatest improvement we can suggest is an even more strenuous effort by individual members to make prompt returns to Price Waterhouse. This is a formidable challenge during this, the third generation of electronic data processing - when information collection seems to take longer.

At the risk of repetition, but for your continuing review, here are the longstanding instructions for reporting NDA industry shipments, by destination state:

Report net dollar values at the plant, i.e., full sales value less freight (if included), all discounts and allowances, and credit on returned and damaged goods.

Report all insulation products manufactured and sold by you in the listed product categories, except:

- 1. direct export sales**
- 2. value of products purchased for resale**
- 3. value of products sold for thermal applications in the building structure/shell**

To reflect more accurately the function of this committee, my personal suggestion to the Board of Directors is the possibility of changing the name to "Statistical Committee".

TECHNICAL & RESEARCH COMMITTEE REPORT

J. M. Barnhart reported as follows:

Since the September 25, 1967, NEM Annual Meeting, the technical activities have included the following:

October 3, 1967	Navy Dept., Washington, D. C.
October 11,12,13	ASTM Committee E-5 Meeting, Lake Placid, N. Y.
November 30, December 1,19	NFPA Air Conditioning Committee Meeting, New York, N.Y.

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December 18

Navy Dept., Washington, D. C.

January 25, 1968

Defense Dept., Washington, D. C.

February 4, 5, 6, 27, 1968

ASIRAE Meeting, Columbus, Ohio

February 23, 1968

NYSDPW, Albany, N. Y.

April 2, 1968

GEA, Washington, D. C.

NAVY DEPARTMENT, WASHINGTON, D.C., OCTOBER 3, 1967

This government agency was visited for the purpose of discussing proposed Military Specification, "Insulation, Blankets and Felts (Mineral Fiber or Asbestos, Industrial Type) as well as the agencies' philosophy with respect to writing specifications.

ASTM COMMITTEE E-5 MEETING, LAKE PLACID, N. Y., OCTOBER 11, 12, 13, 1967

This was the initial E-5 Committee Meeting that the author attended. The Committee's title is "Committee E-5 on Fire Tests of Materials and Construction". Included on the Agenda were the following:

1. Criteria for Fire Resistance Classifications of Assemblies and Structural Members.
2. Correction Factors for Moisture Variations in Test Assemblies.
3. Revisions to Tests of Ceiling Constructions.
4. Time-Temperature Curve-Area Relationship.

NEPA AIR CONDITIONING COMMITTEE MEETING, N. Y., N. Y., NOVEMBER 30, DECEMBER 1, 19, 1967

This Committee Meeting was attended for the purpose of attempting to broaden the scope of the use of fibrous glass duct systems.

NAVY DEPARTMENT, WASHINGTON, D. C., DECEMBER 18, 19, 1967

This agency was visited for the purpose of discussing a proposed draft of a specification pertaining to mineral fiber products.

DEFENSE DEPARTMENT, WASHINGTON, D. C., JANUARY 25, 1968

This department was visited for the purpose of discussing military standardization policy as it relates to the various government agencies and industry.

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ASHRAE MEETING, COLUMBUS, OHIO, FEBRUARY 4, 5, 6 & 7, 1968

Committee 2.4 Meeting was attended. Future Committee projects were discussed, which included revisions to the ASHRAE Guide as well as a proposed symposium on duct systems scheduled for January, 1969. A symposium on thermal insulation was attended, and the following papers were presented:

Introduction on The Growth & Evolution of Insulations - W.A. Lotz.

Unique Insulated Buildings, Constructed
with Foam Plastics - D.L. Ledvina,
Constr. Engr., and L.R. Schanhele,
Tech. Service & Dev. Engr., Dow
Chemical Co., Midland, Mich.

Evaluation of Moisture Content and In-
sulation Properties of Poured In-
sulating Roof Deck - R.E. Davis,
Owens-Corning Fiberglas Corp.,
Granville, Ohio

Fire Testing of Insulations - C.E. Knott
& P.A. Goven, Asst. Dir.--Program
Planning Building, Research Advisory
Board, Washington, D.C.

Research Needs in Insulation - F.J. Powell,
Mech. Engr., Env. Energy Sect., National
Bureau of Standards, Washington, D.C.

NYSDPW, ALBANY, N.Y., FEBRUARY 23, 1968

This agency was visited for the purpose of ascertaining the status of the insulation specification part of the New York State Code.

GSA, WASHINGTON, D.C., APRIL 2, 1968

This agency was visited for the purpose of discussing proposed revisions to Federal Specification MMI-545 (Duct Liner).

MINERAL FIBER SECTION REPORT

Mr. W. T. Irwin reported as follows:

The Government T & R section met with G.S.A. representative in early April to discuss Fed. Spec. MM-I-00545 prior to G.S.A.

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sponsoring another interim revision to this duct liner specification. The major changes include elimination of individual classes under each type and the establishment of a maximum rated velocity of 9000 fpm for all products.

On April 19, the NIMA Duct Committee will discuss a NIMA oriented duct liner specification which is to include application recommendations.

A government mechanical engineers mailing list for the NIMA-SMACNA Manual has been developed by the government T & R section.

The Public Health Service's General Standards of Construction and Equipment for Hospital and Medical Facilities includes duct liners or fiberglass ducts in "sensitive areas such as operating and delivery rooms, nurseries, and isolation rooms." NIMA working to encourage PHS to reconsider this position which reduces our potential penetration of the PHS market.

NIMA has circulated the Navy Nav-Fac Specification 94Y "Insulation for Piping, Ductwork, and Equipment inside Buildings and Plants."

The Mineral section has commented and recommended the use of ASTM test methods for material performance in the IDGMA Manual.

The NIMA T & R Committee has suggested to the Navy that fiber diameter requirements of MIL-I-16688D Insulation Felt, Thermal, Fibrous Mineral (Semi-Rigid) (Lightweight). This specification also included a requirement on fiber length which was to be deleted.

The T & R Committee will meet in San Francisco in June prior to the Annual ASTM Meeting.

During the past months the technical group of the Duct Committee has been very active.

The letter ballot on revision of NFPA 90A was favorable. Final approval due for vote in May in Atlanta.

The reinforcement schedule was developed for inclusion in the SMACNA Manual. This schedule covers supply and return duct reinforcement in one table. A concerted effort is directed toward developing a reinforcement schedule for supply ducts only which will require less reinforcement and be less costly. This supply duct schedule is to be included in the SMACNA Manual.

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A test method for determining surface roughness of liners and ducts has been developed. PIV is building the test cell apparatus to check the procedure.

A NINA recommendation for a Federal Specification has been thru 2 rough drafts. When this is reviewed again, it will be taken to the Government agencies for their action.

BOARD SECTION REPORT

Mr. W. C. Schwinger reported as follows:

1. IDCNA Manual - The Committee met twice to discuss the data NINA was prepared to supply to IDCNA for use in their Thermal Insulation Manual. It was agreed to supply the information that appeared in ASTM Specifications, that which could be determined by ASTM Methods of Tests, or which could be calculated. The data was compiled and sent to IDCNA on February 15, 1968.
2. MIT-I-2464b - The Committee is preparing a letter to the Bureau of Ships, relative to the testing frequency, and the method of tests included in the specification.
3. Combined MIT-I-2781 & MIT-I-2819 - These specifications are being combined into one specification and will be sent to the Bureau of Ships for their consideration.

* * * * *

It was agreed that the I & B Committee should review the data sent to IDCNA and revise it to indicate average values rather than maximum (average) values.

MEET SYSTEMS COMMITTEE REPORT

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

HEALTH & SAFETY COMMITTEE REPORT

Dr. L. B. Grant reported as follows:

The Committee met twice since the last Board meeting in September 1967. The Minutes of the meetings are attached. The highlights of the meetings were reports of the progress of the Miscellaneous Subcommittee headed by Mr. C. L. Sackler. This Subcommittee has been

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developing a second round educational program for the IDCMA to commence in April 1968. Mr. Sheekler will present his Subcommittee's report to the Board directly.

The status of the U.S. Public Health Service Mineral Fiber Industry Study requested by NDA were also reviewed. A letter from Mr. Howard E. Ayer, Chief, Environmental Activities, Field Studies, Occupational Health Program, U.S.P.H.S., dated March 15, 1968, is attached and is the most up-to-date report on the status of the study. This indicated that NDA member companies should expect to be contacted shortly in regard to initiation of the records study. Furthermore, early this summer, companies will be contacted to arrange for environmental studies in their plants. The environmental studies will permit some statement to be made about the type and degree of exposure the employee groups have undergone.

The Committee had recommended that company members individually support fibrous dust studies at the Industrial Hygiene Foundation. A progress report was given on these studies at the last Board meeting. No further report is available at this time except to indicate that previously noted changes in the lungs of the exposed animals are now thought to be reversible and therefore pathologically not significant. The Industrial Hygiene Foundation had proposed additional studies for fibrous glass to several of the member companies which manufacture fibrous glass products. There were a number of questions each company who had been asked to support the work wished to have the opportunity of discussing in a general meeting with the Industrial Hygiene Foundation and representatives of companies whose support was being solicited. Since all of the companies solicited were represented on this Committee, a meeting was arranged and held as a result of which medical research on fibrous glass is being initiated to include animal inhalation in normal animals and animals with artificially produced emphysema, pulmonary function studies on workers with 15 or more years exposure to fibrous glass, dermatological studies in both man and animals and post-mortem examinations of human lungs of workers with long exposure to fibrous glass.

Committee membership changes include the loss of Mr. L. D. Horowitz, Certain-Feed Products and the addition of Jon L. Konzen, M.D., Owens-Corning Fiberglas.

Letter Dated March 15, 1968 - Department of Health, Education, and
Welfare Letterhead

Lee B. Grant, M.D.
Medical Director
Pittsburgh Plate Glass Company
One Gateway Center
Pittsburgh, Pennsylvania 15222

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Dear Dr. Grant:

Mr. Barnhart has suggested that you are the appropriate person to inform the members of the National Insulation Manufacturers Association of details of our records study.

As you know, in this study we would first obtain personnel records for the years 1945 and following containing the individual's name, social security account number, dates of employment and as much on his job, operation or department as is readily available. These could be furnished in one of the following ways, at the option of the company.

1. As a list including the above data extracted and compiled by the Company.
2. By furnishing copies (e.g. Xerox, microfilm) of the records from which our clerks would extract the above data.
3. By allowing one of our clerks to microfilm personnel records on the Plant premises, under Company supervision, for later extraction of the above data by our clerks in Cincinnati.

In any case, only the above mentioned data is desired from Company records. If copies of original records are made, they could be returned to the Company after extraction of the data mentioned, should the Company so desire.

The name, social security account number, and employment data would be transferred to punched cards. Those currently employed would be sorted out, and a list of past employees sent to the Bureau of Old Age and Survivors Insurance, (BOASI), Social Security Administration for a search of death claims. Upon receipt of death claims, the appropriated State Health Departments would be asked to furnish a death certificate. Where indicated, supporting data on causes of death for the subject and control groups will be obtained. Using cause of deaths from the certificate, age-adjusted mortality tables would be made up for comparison with National death statistics. These tables would examine differences in death rates, if any, by length of service in fibrous glass or rock wool manufacture.

Results of the records study would be published in appropriate scientific journals without identification of either manufacturers or individuals.

With the records study we would also conduct pilot environmental studies in representative manufacturing plants to determine and establish a position, and other appropriate environmental data.

The time schedule for the completion of the records study depends to a considerable extent upon the work schedule of the BOSH. We would anticipate that we could have the data coded and transferred to punched cards within two months after it is obtained. Another six months to a year could be expected for the death claims search by SSA's. After receiving the list of deaths, obtaining death certificates from the States will probably take six months. These can be transferred to punched cards as received, and a preliminary report out within weeks after they are all on hand. The total time period from procurement of the records to a preliminary report would thus be about eighteen months. This long time period is based on past experience. The Social Security Administration is constantly improving their data handling procedures, and there appears to be a strong possibility of obtaining the records in the shorter time period so that the preliminary report can be out in 14 months or less.

During these months we would expect to conduct the environmental pilot studies, so that some statements about type of exposure may be made in the preliminary report. We would expect these pilot studies to commence sometime this summer and be completed before the records study is done. We will be in touch with you shortly, and with the appropriate individuals in the member companies to determine how you would prefer to furnish the records. In the meantime, we would be happy to answer any questions or consider any suggestions.

Sincerely yours,

Signed: Howard E. Ayer

Chief, Environmental Activities
Field Studies
Occupational Health Program

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Mr. C. Sheckler reported on the activities of the Educational Subcommittee as follows:

I. Review of 1967 Activities

- A. Recent regional contractors meeting - early spring 1967. Subsequent request by NIDA to me for design and presentation of a contractor information program.

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- B. Presentation of eight regional contractor information programs including 200 contractors throughout the United States. Meetings presented by J. Barnhart, E. Edwards and C. Sheckler. J. Vyverberg assisted and acted as stand-in for each participant.
- C. Approximately 30 meetings were held by the Educational Subcommittee over the past year. They included preparation of the 1967 program, preparation of the 1968 program, preparation and publication of the Asbestos and Mineral Fibers Health Safety Practices booklets, meetings with outside organizations including the Mt. Sinai group, Asbestos Workers, Sprayed Mineral Fiber Manufacturers Association, United States Public Health Service and others.
- D. The people serving on the Educational Subcommittee should be commended for their extraordinary talents and efforts. Much of this work was accomplished utilizing their own time as well as their companies' time and expense. These people were: J. Barnhart - NDA, E. Edwards - Owens-Corning, Leon Horowitz - Certain-tec, H. Masalar - Huberoid, J. Vyverberg - Owens-Corning, and C. L. Sheckler - Johns-Manville.
- E. Major expenses of activities related to the Education Subcommittee have been absorbed by each of the companies named in Paragraph D. This includes travel and living expenses for regional contractor program presentations, local meetings, etc. The cost of having Hill and Knowlton Public Relations Consultants advise and assist with the Health Safety booklets was also absorbed by Johns-Manville. Printing of the booklets was paid by NDA.
- F. Current activities that could affect the insulation industry are:
1. The Dresden Conference on asbestos.
 2. Congressional Hearings on Federal Health and Safety Act of 1968.
 3. NBC-TV 6:15 P.M. program on asbestos with Dr. Frank Field and Dr. Irving Selikoff.
 4. Dr. Selikoff's address to the Convention of HPIAM in Chicago.
 5. Rumors of feature to be printed in the New Yorker Magazine.
 6. Rumors of an NBC-TV documentary on Fibrous Glass.
 7. Pending litigation such as Appalachian, Detroit and Texas cases.
 8. Customer inquiries and complaints concerning insulations.

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- G. Reviewed outline of the 1968 regional contractor association presentations (Copy attached).
- H. Reviewed future need of increased liaison between NIMA and IDCMA, Regional Contractor Organizations, NFIAM, U.S.P.H.S., Independent Contractors and others. Also need to keep NIMA member companies better informed of current developments that could adversely affect their business.
- I. Respectfully urged that the NIMA Executive Committee give consideration to establishing a standing committee called "Education, Legislation and Litigation Advisory Committee" to replace the present informally organized "Education Subcommittee". Present circumstances indicate that the need for education, information and communications; especially relating to health, safety, workmen's compensation, commonlaw litigation, public hearings, legislation, congressional hearings, etc., will substantially increase in the future.

During the foregoing presentation, a member of the group made the suggestion that a representative of the Public Relations Committee of NIMA sit in on each Education Subcommittee meeting in order to gather information for publication in the IDCMA Newsletter. This suggestion is respectfully rejected due to confidential nature of subjects discussed. We will, however, periodically invite attendance of Public Relations representation and/or prepare suitable material for them.

NIMA AND IDCMA CONTRACTORS PROGRAM HEALTH SAFETY INFORMATION - 1968

The objective of subject program is to continue presenting factual information to the Thermal Insulation Contractors. This will be a follow-up of the 1967 presentations to assist the contractor groups to understand and minimize health safety problems in the Thermal Insulation Industry.

1. Introduction of the panel and subject matter. State the objective for the presentation and identify NIMA, the sponsor. - By JMB
2. Review developments over the past year and present status of Health Safety problems.
 - A. Labor (Union) activities. - By JV.
 - B. Government activities. - By JV.
 - C. Medical activities. - By CLS.
 - D. Liability activities. - By CLS.

3. Detection and Prevention of Health Safety Problems.

- A. Review Asbestos Booklet. - By CLS.
- B. Review Mineral Fiber Booklet. - By JV.
- C. Physical Examination Program. - By CLS.

COFFEE BREAK

4. Discuss Workmen's Compensation problems, both past and present. Provide typical case preparation format.

- A. Investigation. - By CLS.
- B. Preparation. - By CLS.
- C. Follow-up. - By CLS.
- D. Disposition and Communications. - By CLS.

5. Outline medical research programs concerned with Thermal Insulations.

- A. Asbestos. - By CLS.
- B. Mineral Fibers. - By JV.

6. Discuss formation and activities of Regional Contractors Associations Health Safety Committees.

- A. Coordination and communications with IDCHA and NDA. - By TB.
- B. Panel of experts. - By TB.
- C. Future activities by the regional groups. - By TB.

7. Closing remarks. - By JDS.

The presentations will require approximately 2 hours and 15 minutes. The total program, including coffee break and a question-answer period will require approximately 3 hours.

* * * * *

A motion was made, seconded, and passed

That educational program for presentation at the IDCHA Regional Association Meetings is accepted as presented.

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APPOINTMENT OF NOMINATING COMMITTEE

R. W. Henry appointed M. W. Burleson, Chairman, F. D. Bailey, W. M. Lissen, and J. P. Vyverberg as the Nominating to propose a slate of Officers and Directors for nomination for election at the Annual Meeting.

REMARKS OF LEGAL COUNSEL

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ADJOURNMENT

There being no further business, the meeting was adjourned.

Respectfully submitted,

J. M. Barnhart