

Minutes

GENERAL MEETING -- February 9, 1968

Asbestos Textile Institute -- Hotel Roosevelt, New York, N. Y.

In attendance:

AMERICAN ASBESTOS TEXTILE CORP.

J.L. Rainey
J.W. Christenbury
H.H. Walter
D.F. Quealy
Wm. Maaskant

GARLOCK INC.

N.L.A. Martucci
G.E. Houghton
Alex. Kuzmak

JOHNS-MANVILLE CORP.

E.H. Wells
E.A. Schuman
W.C. Streib
C.L. Sheckler
R. Hindmarch
P.A. Rogers
N.W. Hendry (Can. Johns-Manville)
W.S. Hough (Retired)

H.K. PORTER COMPANY, INC.

E.M. Nesvig
Geo. Bohrer
L.E. Moody
J.D. McCluer
D.E. Childers
J.W. Echerd
G.J. Harris

RAYBESTOS-MANHATTAN, INC.

M.Q. Scowcroft
J.P. Wronski
L.C. Williams
J.W. Hawkins
J.A. Bettes, Jr. (Retired)
Dr. J.L. Goodman

ASBESTOS TEXTILE INSTITUTE

H.E. Sunbury, (Secretary)

A.S.T.M.

P.J. Smith

LUNCHEON GUESTS - Feb. 9th

David A. Caruso, C.P.A.
Mrs. T.T. Tigert
Mrs. N.L.A. Martucci

TALLMAN-McCLUSKEY FABRICS CO.

J.L. Mitchell

UNIROYAL, INC.

R.P. Clark
A.C. Link
D.T. Austin, Jr.
E.A. Morris
W.C. Hitchcock
Dr. J.H. Wolfsie
R. Roderic

ASBESTOS CORPORATION LIMITED

M.P. Carson
G.F.A. Brink
P.E. Leclerc

BELL ASBESTOS MINES LIMITED

Wm. J.W. Smith
R. Dodds-Hebron
C.H. Schoch
W.H. Smith

CASSIAR ASBESTOS CORPORATION, Ltd.

T.T. Tigert

LAKE ASBESTOS of QUEBEC, LTD.

E.A. Farrell

TURNER & NEWALL, Ltd.

B. Lincoln

CADWALADER, WICKERSHAM & TAFT

P. Jay Flocken (Legal Counsel)

GENERAL ELECTRIC COMPANY

P.O. Nicodemus (Guest speaker)

U.S. PUBLIC HEALTH SERVICE

Dr. L.J. Cralley

TURNER BROS. ASBESTOS CO. LTD.

W.M. Deckman
D.F. Roberts

1. President Rainey called the meeting to order at 9:40 A.M. and asked each person to stand and identify himself and his company affiliation. He expressed appreciation that so many company officials were in attendance. Special mention was made of the fact that two former presidents of A.T.I. were present, namely: Messrs. J.A. Bettes, Jr., and W.S. Hough. We were pleased also to have Mr. B. Lincoln, of Turner & Newall, Ltd., Manchester, England; and Dr. L.J. Cralley, of U.S.P.H.S., in attendance.
2. The minutes of the last meeting were presented for reading. It was moved by Mr. J.W. Christenbury that reading be omitted. His motion was seconded by Mr. M.Q.Scowcroft. So voted.
3. The Financial Report was presented by Mr.E.A. Schuman. It was moved by Mr.D.F. Quealy that the report be accepted. Mr. G.E. Houghton seconded the motion, and it was so voted. The report is attached to these minutes.
4. Mr. P.Jay Flocken, Legal Counsel, reported on some recent litigation under the Sherman Anti-trust Act. A brief summary of his remarks follows: Counsel reviewed a series of recent Advisory Opinions issued by the Federal Trade Commission, which differentiate between appropriate and inappropriate subjects for industry codes of behavior or trade association standards programs. He emphasized that both the antitrust agencies and the courts have been primarily concerned with the enforcement mechanisms utilized by businessmen to secure compliance with such codes or programs. In this connection, counsel also briefly reviewed industry or trade association price and profit reporting programs, standardization activities, and enforcement techniques involved in certain court decisions which have established the basic principles of permissible conduct. Counsel stated that the current attitude of the Department of Justice, as reflected by recent statements of the Assistant Attorney General, is doubtful of the good faith and the rationale of self-regulation by business and that the FTC's Advisory Opinions in this field have been very conservative and allow little room for variation from earlier restrictive decisions by the agencies or the courts.
5. The Fibre Producers Report was given by Mr. N.W. Hendry, V.P. & General Sales Manager, Canadian Johns-Manville Asbestos Limited. A summary of Mr. Hendry's fine report is attached to these minutes.
6. President Rainey introduced Mr. Paul O. Nicodemus, Senior Insulation Application Chemist, General Electric Co., Wire & Cable Dept., Lowell, Mass. Mr. Nicodemus presented an extremely interesting and most comprehensive paper entitled: "Asbestos Textile Electrical Insulations - Properties, Present and Future Importance." At conclusion of his talk Mr. Nicodemus was given a fine round of applause for his very excellent paper. Copies of his paper were distributed to those present. The Secretary has some extra copies and will honor requests for same on a first come first served basis, so long as the supply lasts. President Rainey expressed appreciation, on behalf of the members, to Mr. Nicodemus for his very fine paper.

7. The committee reports were given by the respective committee chairmen as listed below:

Air Hygiene & Mfg. Committee - H.H. Walter, Chm.
Sales Promotion Committee - M.Q.Scowcroft, Chm.
Technical Committee - J.W. Hawkins, Chm.
Fiber Testing Committee - G.F.A. Brink, Chm.

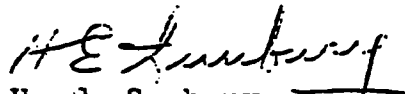
The full text of their reports is attached to these minutes.

8. President Rainey announced that the date of the next General Meeting would be June 6th and 7th, 1968, and it will be held at the REGENCY HYATT HOUSE, Atlanta, Ga. This is a fine new hotel that opened last June. It has received national publicity for its unusual construction and fine accommodations, and we are confident that A.T.I. members, and their wives, will enjoy their stay at the Regency Hyatt House!

He announced also that the fall meeting of A.T.I. would be at the Hotel Hershey, Hershey, Pennsylvania, on October 3-4, 1968.

9. There being no further business to come before the meeting it recessed for luncheon, following which the meeting adjourned.

Respectfully submitted,


H. E. Sunbury
Executive Secretary

ASBESTOS TEXTILE INSTITUTE

Report of Funds

January 9, 1968

Balance on Hand at Last Report (September 11, 1967)

General Fund	\$ 852.97	
Savings Fund	24808.34	
Petty Cash Fund	38.77	
		\$ 25680.08

Receipts

To Savings Fund (Interest)	573.32	
To General Fund (Book Sales)	76.70	
		650.02

Total On Hand and Received		\$ 26330.10
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Disbursements

Legal Retainer (3 mos ending 11/30/67)	500.00
Legal Expense (3 " " " " ")	270.98
Secretary's salary (4 mos)	478.00
F.I.C.A. Tax (3rd Qtr 1967)	33.00
Secretary's travel	250.00
Office rent (4 mos)	300.00
Revision of ASTM Specs. (Travel exp.)	69.25
Printing & Office Supplies	34.45
Stenographic (Labor)	22.00
Meeting expense (October 4-6, 1967)	793.11
Telephone (4 mos)	135.28
Exhibit expense	129.20
Accountant (Caruso-Year ending 9/67)	300.00
Dues (I.H.F. and ASTM)	135.00
Dust Counting Equipment (Bausch & Lomb)	4814.00
Petty Cash (Vouchers 328-347 incl.)	78.92

Total Disbursements		\$ 8343.19
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Balance On Hand January 9, 1968		\$ 17986.91
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Funds

General Fund (Bank Statement of 1/9/68)	\$ 498.17	
Savings Fund (Interest to 12/31/67)	17467.66 (*)	
Petty Cash Fund	21.08	

<u>Assets as of Jan. 9, 1968</u>	Total Funds	\$ 17986.91
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General Fund	\$ 498.17
Savings Fund	17467.66
Petty Cash on Hand	21.08
Accts Receivable (Book Sales)	65.09
Accts Receivable (Dues for 1968)	9000.00
Postage on hand	10.33
Furniture & Equipment (Nominal Value)	1.00

<u>Liabilities</u> (None)	Total Assets	\$ 27063.33
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<u>Net Worth</u>		\$ 27063.33
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(*) Amounts transferred from Savings to General Fund were -
 \$2500.00 on 10/2/67; \$600.00 on 12/14/67; \$4814.00 on 1/8/68.

Respectfully submitted,

H.E. Sunbury
 H.E. Sunbury
 Asst. Treasurer

Minutes

ASBESTOS TEXTILE INSTITUTE
Air Hygiene and Manufacturing Committee
February 8, 1968
Roosevelt Hotel
New York, N.Y.

Attended:

Members: H.H. Walter, Chairman - American Asbestos Textile Corp.
C.L. Sheckler - Johns-Manville Products, Corp.
L.E. Moody - H.K. Porter, Inc.
A.C. Link - Uni-Royal, Inc.
Dr. J.H. Wolfsie - Uni-Royal, Inc.
L.C. Williams - Raybestos-Manhattan, Inc.

Absent: R.B. Smith - Raybestos-Manhattan, Inc.
H.M. Willingham - Uni-Royal, Inc.
K.W. Nelson - American Smelting & Refining

Visitors: Dr. L.J. Cralley - U.S. Dept. of Health, Education
& Welfare
R. Hindmarch - Johns-Manville Products, Corp.
R. Slocomb - Bausch & Lomb
J.W. Brown - Bausch & Lomb

Bausch & Lomb Automatic Dust Counter

The Bausch & Lomb Dust Counter - Model 40-2 was demonstrated to the committee by Robert Slocomb, Product Engineer of Bausch & Lomb. R. Hindmarch reported that some tests had been conducted with the instrument at the J.M. plant in Manville, New Jersey and comparisons had been made with test results obtained with the Midget Impinger. Comparative studies have shown that the results are on the same level; but that a conclusive correlation between the two methods has not yet been established. The instrument was turned over to L.C. Williams, Raybestos-Manhattan, with the understanding that it will be passed on to another member company at the next meeting. The companies using the instrument will attempt to establish a correlation with the Midget Impinger and submit their findings to Dr. L.J. Cralley. Bausch & Lomb will also participate in this program.

Environmental Health Survey

Dr. L.J. Cralley reported on a meeting with the American Conference of Governmental Industrial Hygienists.

Dust Control

The committee suggests that the Board of Governors consider the advisability of wet weaving to eliminate excess dust during the operation as well as in the use of the end product.

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Various other methods to reduce dust during the manufacturing process were discussed.

The committee adjourned to attend a special meeting held by the Board of Governors to hear Dr. Cralley's report on the continuation and the progress of his environmental health study.

H.H. Walter
Chairman

FIBRE PRODUCERS REPORT

Mr. N.W. Hendry, Vice President and General Sales Manager, Canadian Johns-Manville Asbestos Limited, Asbestos Fibre Division, Asbestos, Quebec, Canada, reported for the Fibre Producers.

Mr. Hendry commented first on business conditions, and said that 1967 was a pretty good year for fibre producers although a little below the exceptionally good year of 1966. Business was rather slow in England, and Western Europe has levelled off. By contrast Japan is "booming" and Australia is also good. Spain and Italy are doing well, as is South America. The future situation in the U.S.A. is somewhat in doubt as the political situation, credit restrictions and labor problems could affect many major manufacturers adversely.

Speaking of the Textile Fibres, Mr. Hendry pointed out that there has been a marked improvement in quality during the past ten years, the producers now have a great deal more knowledge of what constitutes a good textile fibre, and work to produce even better fibre will continue. He mentioned that demand for textile grades is quite strong.

In comparing total tonnages of asbestos fibre (all grades) produced in Canada vs. Russia, the Canadian mines for year 1967 produced about 1,443,000 tons as against 1,870,000 in Russia. An annual production of 2,200,000 tons by 1970 is forecast for Russia. World production in 1967 was in the neighborhood of 4,300,000 tons.

New mines, namely:- Reeves in Northern Ontario, Clinton Creek in Yukon Territory, Aktrovak and at Kiembi Kazakhstan in Russia, and one in Brazil will add to world production of asbestos fibres. The Brazilian mine is 200 or 300 miles north of Brasilia, and the production there is about 5,000 tons annually.

In commenting on the Health Aspects of asbestos, Mr. Hendry referred to the fact that the Q.A.M.A. had established the Institute of Occupational and Environmental Health to conduct research into all facets of the production, manufacturing and use of asbestos and asbestos products. While the Q.A.M.A. has decided not to publish interim reports on research projects because they are not complete, there is no evidence of any risk to human health in exposure to, or use of manufactured products containing asbestos fibres. A great deal of research on the health aspects of asbestos is being conducted at many centers in the world, to which the Canadian producers are lending their support. Adverse publicity on asbestos has prompted Johns-Manville to get out a "Position Paper" in respect to effect of asbestos on Health, for the benefit of their own organization. While this is not for general publication, members of A.T.I. could probably get a copy by writing direct to President Burnett of Johns-Manville.

In conclusion Mr. Hendry stated that his company, from present indications, would discontinue shipping asbestos fibre grades in loose jute bags due to the dusty condition resulting from this type of operation. Various types of bags can be substituted, such as multi-wall paper or polyethylene, both of which are dust proof.

N. W. Hendry

February 9, 1968

MINUTES OF THE ASBESTOS TEXTILE INSTITUTE
FIBRE TESTING COMMITTEE MEETING - 8TH FEBRUARY, 1968

LOCATION: Room E, Mezzanine Floor
The Roosevelt Hotel, New York, N.Y.

PRESENT:

Members: G.F.A. Brink, Chairman - Asbestos Corporation Limited
D.E. Childers - H.K. Porter Company, Inc.
R.J. Dodds-Hebron - Bell Asbestos Mines Limited
B. Lincoln - Turner & Newall Limited
W.C. Streib - Johns-Manville Corporation
T.T. Tigert - Cassiar Asbestos Corporation Limited
J.P. Wronski - Raybestos-Manhattan, Inc.

Visitors: C.H. Schoch - Bell Asbestos Mines Limited
W.H. Smith - " " " "

BUSINESS:

1. The outcome of the Magnetic Rating Round Robin on three asbestos fiber samples at different laboratory locations and the conclusions based on the statistical analyses of the results were reviewed with members of the Technical Committee (6), Mr. Paul O. Nicodemus, Chairman of Subcommittee A-4, ASTM Committee D-13, and other affiliated ASTM members (3) present, as follows:

- 1.1 Metallic influence can have a drastic result on the Mapes test, however, if the test is run correctly and the equipment zeroed properly, the influence of metallics can be overcome.

Note 1 - During the course of discussion, it was pointed out that, due to differences in construction, it was not always possible to zero all models of the Mapes apparatus in the presence of metallic influence.

- 1.2 The continuing F x C interaction leads to the conclusion that fiber sampling and/or fiber conditioning is an important procedural technique to be improved in all magnetic rating tests.
 - 1.3 From the Round Robin, there is no major evidence of superiority of T. & N. over the Mapes Test from a reproducibility standpoint between companies. The advantages of the T. & N., however, are ease of operation, less susceptibility to magnetic influence, and its initial cost.

2. The recommendations of the joint session were as follows:

- 2.1 That the ASTM Magnetic Rating Test Method be rewritten indicating a preference for the T. & N. apparatus and retaining Procedure "A" of the present ASTM D-1118 procedure as an alternative.

- 2.2 That the custody of the remaining standard magnetite Sample No. 29(a), or equivalent reference standards, now in the possession of Mr. Paul Nicodemus be transferred to ATI for safe keeping; and that the Fibre Testing Committee take action to acquire a supply of suitable iron oxide for the preparation of calibration standards and arrange for its dispensation through the ATI Executive Secretary in the future (This recommendation was subsequently approved by the ATI Board of Governors).
- 2.3 That the Technical Committee, in conjunction with Subcommittee A-4, ASTM Committee D-13 members interested, organize a Round Robin to investigate the performance and reproducibility of the T. & N. apparatus for the testing of textile products before the new Magnetic Rating Test Method is finalized (Round Robin to include the laboratories involved in the recent Fibre Testing Committee's Round Robin plus other ATI member companies interested).
- 2.4 That the Fibre Testing Committee carry out some exploratory testing with a natural crudy fiber to investigate the effect of the sampling procedure on the reproducibility of the Magnetic Rating Test (Three member companies indicated their desire to participate in this study).
3. Interest was rejuvenated in a test method for determining the undesirable rock and spicular content of spinning fibres (Two laboratories indicated that they were currently considering suitable approaches to this particular problem).
4. Recent activities of the QAMA Technical and ASTM D-30 Committees (Subcommittee III) of interest to ATI were briefly reviewed.
5. New Business. - The chairman indicated that an agenda would be mailed out one month in advance of the next meeting to stimulate interest in the Fibre Testing Committee's activities; and to assist in guiding its future program to best meet the requirements of ATI.

G.F.A. Brink, Chairman
ATI Fibre Testing Committee

Minutes

ASBESTOS TEXTILE INSTITUTE
Sales Promotion Committee
February 8, 1968
Hotel Roosevelt - New York City

Attending this meeting were Messrs. J.L. Rainey and J.W. Christenbury of American Asbestos Textile Corporation, N.L.A. Martucci and Alexander Kuzmuk of Garlock, Inc., E.A. Schuman of Johns-Manville Corp., J.L. Mitchell of Tallman-McCluskey Fabrics Company, R.P. Clark of Uniroyal, Inc., P.Jay Flocken, (Legal counsel), H.E. Sunbury, (Secretary), and M.Q. Scowcroft of Raybestos-Manhattan, Inc.

Efforts to place the display cabinet owned by the Institute have now been exhausted. Raybestos-Manhattan offered to store the cabinets pending completion of their new office building in Manheim, Pennsylvania where it will eventually be placed in their lobby. The committee voted to accept the offer and the matter was turned over to the Board of Governors for further action.

At the meeting held in Hilton Head, S.C. last October the committee discussed a proposal presented to it by the Edward W. Robotham Company for an advertising program aimed at promoting the use of asbestos textiles in a general rather than a specific end product usage as an effort to combat the intrusion of alternate materials in many of our traditional fields. Between that meeting and the meeting held February 8th, generally discouraging reports came back from most member companies. Because of the lukewarm reception at top management level it was voted to shelve the program temporarily. However, it was recorded that most of the members of the committee felt that there was genuine merit in the program and that it should not be permanently set aside.

The purchasing policies of the Government procurement program was discussed in detail. Rather than have legal counsel pursue the matter in an attempt to influence them to adjust this policy, it was agreed that the committee assign two members to visit the D.S.A. in Columbus, Ohio in an attempt to educate ourselves as to the reasons for these purchasing policies and to attempt to obtain relief from them. R.P. Clark of Uniroyal, Inc. and M.Q. Scowcroft of Raybestos-Manhattan, Inc. were assigned this task. A full report will be submitted to the committee following the call at Columbus and prior to the next meeting.

A detailed discussion was held concerning the hazards involved in the processing and use of asbestos textiles and the affect of adverse publicity concerning asbestos in the market place. While the subject of Health Hazards is of proper concern to the Sales Promotion Committee it was felt that anything we might do at this time in the form of attempting to set industry standards on what might be called "Dust Free" or "Lint Free" fabrics would introduce far more problems than benefits for the Industry.

Information had reached members of the Institute that the U.S. Navy had eliminated the use of asbestos cloth as insulation aboard Naval

ships. This was thoroughly investigated and found to be entirely false. But it has been learned that one private shipyard has eliminated asbestos and replaced it with glass cloth in at least one popular style of cloth. Members agreed that a stepped up and continuing program of contacting the Navy Department in Washington is worth our efforts.

Competition from Japanese cloth in the United States was also discussed in detail. It was suggested that Japanese cloth does not approach the quality of fabrics manufactured by member companies particularly in relation to their flame resistant characteristics and we are working up data to use as ammunition in this area.

A specific application of rubber coated asbestos sleeving accused of being the culprit in a corrosion problem with air-frame manufacturers was discussed. No specific action was taken since it was understood that a member company was fighting this substitution with its own active task force.

Respectfully submitted,

M. Q. Scowcroft,
Chairman

Asbestos Textile Institute
Technical Committee Meeting
February 7, 1968

The meeting was held at the Roosevelt Hotel in New York City.

<u>IN ATTENDANCE:</u> Phil Rogers	- Johns-Manville
G.E. Houghton	- Garlock, Inc.
D.T. Austin	- Uniroyal, Inc.
Wm. Maaskant	- American Asbestos Textile Corp.
D.F. Quealy	- American Asbestos Textile Corp.
Ed Morris	- U.S. Rubber Co.
J.D. McCluer	- H.K. Porter Co.
P.O. Nicodemus	- General Electric Co.
George Harris	- H.K. Porter Co., Inc.
Paul Smith	- ASTM
John Hawkins	- Raybestos-Manhattan, Inc.

SUBJECTS DISCUSSED:

ASTM D 1061: The asbestos lap specification was completed at this meeting. The Editorial Committee of ASTM suggested several changes in format which were not acceptable to the Technical Committee. Other minor changes were incorporated into D 1061 and this specification will be published in October without further changes.

ASTM D 628: This tubular sleeving method as presently published covers Test Methods only. The sections pertaining to test methods have been completely rewritten. It was decided that in addition to test methods that this method would also include specifications and tolerances. These additional sections will be incorporated into the method after consideration by the committee.

The Technical Committee met briefly with the Fiber Testing Committee to hear their report on the Round Robin test series on magnetic rating recently completed by that committee. These tests considered asbestos fibers only.

A joint session was held between ASTM Committee A-4 and the Technical Committee on February 8. Mr. Nicodemus acted as chairman and matters of mutual interest were discussed. A Round Robin test will be conducted on the magnetic rating of asbestos products - lap, roving, yarn, tape, and cloth. It was also decided that when these tests are complete the specification on magnetic rating would be written up to specify the Turner Analyzer as the preferred method, and the Mapes as an alternate. The other remaining method to be revised is the Heat Aging Specification.

Asbestos Textile Institute
Technical Committee Meeting
December 14th, 15th, 1967

The meeting was held at the Sheraton Park Hotel in Washington, D.C.

IN ATTENDANCE: Irving Barnett - Johns-Manville
J. D. McCluer - H. K. Porter Co.
Tex Austin - Uniroyal, Inc.
Wm. Maaskant - American Asbestos Textile Corp.
H. E. Sunbury - Asbestos Textile Institute
Paul Smith - ASTM
John Hawkins - Raybestos-Manhattan, Inc.

SUBJECTS DISCUSSED:

ASTM D 1061: The 1st Draft of the Asbestos Lap Specification was reviewed. Suggestions by Mr. Nicodemus of General Electric were considered. 2nd Draft was completed and submitted to the Editorial Committee of ASTM.

ASTM D 628: The 1st Draft of the Test Methods for Tubular Sleeving (woven and braided) was started. This was not completed and was to be considered during the February meeting.

MIL-I-15349C: This specification on Thermal Insulation Tape was reviewed and weight changes acceptable for the amosite and chrysotile types were submitted to the Government.

Proposed Aluminized Herringbone Cloth: The proposed specification was reviewed and it is essentially the same as MIL-C-82249A except for the Neoprene backing. Suggestions were submitted to Natick for review.

John W. Hawkins
Chairman of the Technical Committee

JWE:ch