

ASBESTOS TEXTILE INSTITUTE

Treasurer's Report

March 4, 1957

Balance in Various Funds - December 3, 1956:

Fellowship Fund	\$9,610.70	
General Fund	2,001.46 Cr.	
Exhibit Fund	1,960.91	
Petty Cash Fund	<u>18.74</u>	\$ 9,588.89

Receipts:

Assessments (1957):		
Fellowship Fund	\$1,500.00	
General Fund	<u>2,000.00</u>	\$ 3,500.00

Transfers:

To General Fund from Exhibit Fund	\$1,960.91	
To General Fund from Fellowship Fund	1,500.00	
To Petty Cash Fund from General Fund	<u>411.71</u>	\$ 3,872.62
		<u>\$16,961.51</u>

Disbursements:

Fellowship Fund:

Fellowship Salary	\$2,433.61	
A.S.T.M. Dues (1957)	26.00	
New Furnace Expense	111.12	
Transfer to General Fund	<u>1,500.00</u>	\$4,070.73

General Fund:

Secretary's Salary	\$ 760.08	
Secretary's Travel	53.60	
Meeting Expense	611.71	
Legal Expense	535.66	
Auditing Expense	3.00	
Stenographic Expense	127.00	
Visual Aid Expense	6.00	
New Exhibit Expense	442.61	
Misc. Office Expense	323.15	
Petty Cash Transfer	<u>411.71</u>	\$3,274.52

Exhibit Fund:

Transfer to General Fund	\$1,960.91	\$1,960.91
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Petty Cash Fund:

Lab. Assistance	\$ 188.50		
New Furnace Expense	91.22		
Lab. Supplies	3.14		
Misc. Office Expense	<u>64.09</u>	\$ 346.95	\$9,653.11
BALANCE ON HAND - March 4, 1957.....			<u>\$7,308.40</u>

Balance in Various Funds - March 4, 1957:

Fellowship Fund	\$7,039.97	
General Fund	184.93	
Petty Cash Fund	<u>83.50</u>	\$7,308.40

J. G. Schoepf

PRODUCED
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MT-003669

ROSTER
ASBESTOS TEXTILE INSTITUTE

MEMBER COMPANIES

AMERICAN ASBESTOS TEXTILE CORP.
Norristown, Pa.
ASTEN-HILL MANUFACTURING COMPANY
Philadelphia 29, Pa.
JOHNS-MANVILLE CORPORATION
New York 16, N. Y.
KEASBEY & MATTHEWSON COMPANY
Ambler, Pa.
RAYBESTOS-MANHEIM, INC.
Manheim, Pa.
SOUTHERN ASBESTOS COMPANY
Charlotte 1, N. C.
TALLMAN-McCLUSKEY FABRICS CO.
St. Louis, Mo.

ASSOCIATE MEMBERS

ASBESTOS CORPORATION, LTD.
Thetford Mines, Quebec, Canada
BELL ASBESTOS MINES LTD.
Thetford Mines, Quebec, Canada
BRITISH BELTING AND ASBESTOS, LTD.
Cleckheaton, Yorkshire, England
THE CAPE ASBESTOS COMPANY, LTD.
London, W.I., England
CAISSIAR ASBESTOS CORP., LTD.
Toronto, Canada
ENGLISH ASBESTOS COMPANY, LTD.
Bristol 4, England
JOHNSON'S COMPANY, LTD.
Thetford Mines, Quebec, Canada
SMALL & PARKES, LTD.
Manchester 9, England
SOCIETE ANONYME FRANCHISE-DU FERODO
Paris, France

ASBESTOS TEXTILE INSTITUTE

GENERAL MEETING

Hotel Warwick
Philadelphia, Pa.
March 7-8, 1957

ATI-105

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MEETING SCHEDULE

Thursday, March 7, 1957:
Committee Meetings:

Technical Committee --- 9:30 A.M. - 5:00 P.M.
Room 306

Air Hygiene Committee - 9:30 A.M. - 5:00 P.M.
Room 307

Sales Promotion Committee - 9:30 A.M.-5:00 P.M.
Secretary's Suite

Board of Governors:
Meeting --- 5:30 P.M. - Secretary's Suite

Friday, March 8, 1957:

General Meeting --- 9:30 A.M. - Colonial Room

Luncheon --- 12:30 P.M.

GENERAL MEETING AGENDA

Call to Order by the President -- 9:30 A.M.
Minutes of Last Meeting
Treasurer's Report
Secretary's Report
Legal Counsel Report
Committee Reports:

Air Hygiene --- D. R. Holmes
Sales Promotion --- J. T. Griffiths
Technical --- M. W. Oliver
Fellowship Report --- M. C. Shaw

Old Business
New Business
Adjournment
Luncheon

OFFICERS

President J. A. Bettes, Jr.
Vice President J. T. Griffiths
Treasurer J. G. Schoepf
Secretary M. C. Shaw

BOARD OF GOVERNORS

J. A. Bettes, Jr.
J. T. Griffiths
A. J. Scanlan
D. W. Widmayer
J. G. Schoepf
F. J. Waken

LEGAL COUNSEL

M. I. Ruddock
Cadwalader, Wickersham & Taft

COMMITTEES

Sales Promotion: J. T. Griffiths, Chair.
J. A. Brown, Jr.
G. J. Harris
W. S. Hough
A. J. Scanlan
J. G. Schoepf
E. A. Schuman
A. E. Whitfield
Air Hygiene: D. R. Holmes, Chair.
H. M. Jackson
A. E. May
R. B. Smith
J. W. Weber
B. W. Luttenberger
Technical: M. W. Oliver, Chair.
D. V. Asten
Edw. Baals
E. C. Cutler
R. L. Lanz
M. S. Maier
J. D. McCluer
J. L. Tucker

Fiber:

A. W. G. Gibb
J. A. Marcotte
G. W. Marshall, Jr.
A. J. Scanlan
J. G. Schoepf

MS 004265

MT-003671

Ambler, Pa.
March 6, 1957

Mr. J. G. Schoepf, Treasurer
Asbestos Textile Institute

Dear Mr. Schoepf:

In compliance with your request, examination was made of the books and records of the Asbestos Textile Institute under Dr. M. C. Shaw's supervision on Monday, March 4, 1957. The audit covers the period from December 4, 1956 to March 4, 1957, inclusive.

The Balance Sheet of the Asbestos Textile Institute at March 4, 1957 is set forth below:

ASSETS

Total Cash in Bank (Schedule A)	\$7,224.90
Total Cash on Hand	83.50
Postage on Hand	2.37
*Furniture & Equipment (Nominal value)	1.00
	<u>\$7,311.77</u>

LIABILITIES

Philadelphia Wage Tax	\$ 32.74
Net Worth	<u>7,279.03</u>
	<u>\$7,311.77</u>

*Other Asset items not included in above classification are shown in Schedule B.

The latest statement received from the depository (Chase-Manhattan Bank of New York) in which all funds of the Institute are kept, shows a balance of \$6,764.18 on January 31, 1957. The Petty Cash Fund totalling \$100.00 includes \$83.50 in cash and \$16.50 in vouchers. This fund was verified by actual count.

Schedule A: Showing a reconciliation of the Bank Balance at March 4, 1957:

Bank Balance per Latest Statement, January 31, 1957	\$ 6,764.18
Add: Bank Deposit Subsequent to January 31, 1957	3,500.00
	<u>\$10,264.18</u>
Less: Checks Outstanding at March 4, 1957:	

<u>Check No.</u>	<u>Date</u>	<u>Payee</u>	<u>Amount</u>
1172	1/31/57	M. C. Shaw	\$ 893.70
1173	1/31/57	First Pennsylvania Co.	205.48
1174	2/4/57	Phila. Textile Inst.	14.57
1175	2/6/57	J. J. Cogan	30.90
1176	2/7/57	Petty Cash	79.46
1177	2/7/57	Amer. Soc. for Test. Mat.	5.00
1178	2/11/57	Smith's Transfer	88.11
1179	2/15/57	Petty Cash	67.66
1180	2/19/57	A. Pomerantz	31.11
1181	2/19/57	Carborundum Co.	32.46
1182	2/25/57	Fox Welding Shop	45.00
1183	2/25/57	Leeds & Northrup Co.	14.63
		Carried Forward	<u>\$1,508.08</u>

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		Brought Forward	\$1,508.08	10,264.18
1184	2/25/57	Phila. Textile Inst.	13.83	
1185	2/28/57	M. C. Shaw	893.70	
1186	2/28/57	First Pennsylvania Co.	205.48	
1187	2/28/57	Petty Cash	97.05	
1188	2/28/57	Art Guild of Phila.	282.00	
1189	3/4/57	A. Pomerantz Co.	20.11	
1190	3/4/57	Johns-Manville Corp.	19.03	\$ 3,039.29
Balance on Hand in Bank, March 4, 1957				<u>\$ 7,224.90</u>

Checks numbered 1144 to 1156, inclusive, which were outstanding at the last audit were examined and found to be in order. Bank deposits during this period totaled \$3,500.00. Of this amount \$1,500.00 was credited to the Fellowship Fund and \$2,000.00 credited to the General Fund.

A reimbursement transfer in the amount of \$411.71 was made from the General Fund to the Petty Cash Fund.

It is recommended that the \$1,500.00 transfer from the Fellowship Fund to the General Fund be minuted at the next meeting of the Board of Governors.

Schedule B: Other Assets of Asbestos Textile Institute:

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Date Acquired</u>	<u>Purchase Cost</u>
(a)	7	Visual Aid Display Cases	January 1950	\$3,414.32
(b)	1	Suter Tensile Tester	August 1947	726.00
(c)	1	Heat Aging Furnace	April 1951	849.98
(d)	1	Bausch & Lomb Triple Purpose Micro-Projector	May 1954	94.00
(e)	1	Brabender Moisture Tester	September 1954	765.00
(f)	1	Federal Thickness Gage	January 1947	50.50
(g)	1	Mapes Magnetic Analyser	April 1953	100.00
(h)	1	Scott Twist Tester	December 1947	126.50
(j)		Office Furniture & Equipment:		
	4	Steel Work Benches	September 1954	
	1	Steel Flat Top Desk	September 1954	
	1	Steel Table	September 1954	
	1	Swivel Chair	September 1954	
	1	Straight Chair	September 1954	
	1	4 Drawer Steel Legal File	September 1954	
	2	Steel Storage Cabinets	September 1954	
	5	Steel Book Case Units	September 1954	
	1	Wall Costumer	September 1954	
	1	Waste Basket	September 1954	757.50
(k)	1	Temco Muffleoven & Control	October 1954	161.00
(l)	1	Cenco Balance	October 1954	32.25
(m)	1	Electric Stopclock	October 1954	50.00
(n)	1	Abradoflex	January 1956	<u>1,175.00</u>
TOTAL				\$8,302.05

Yours very truly,

S. C. Gehman, Auditor

MS 004267

Ambler, Pa.
March 6, 1957

Mr. J. G. Schoepf, Treasurer
Asbestos Textile Institute

Dear Mr. Schoepf:

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		Carried Forward	<u>\$1,508.08</u>

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		Brought Forward	\$1,508.08	\$10,264.18
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(n)	1	Abradoflex	January 1956	<u>1,175.00</u>
TOTAL				\$8,302.05

Yours very truly,

MS 004269

S. C. Gehman, Auditor

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MT-003675

MINUTES of the Meeting of the
Board of Governors of the
Asbestos Textile Institute held
March 7, 1957, in Philadelphia,
Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

JOHNS-MANVILLE CORP.
F. J. Wakem

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey

KEASBEY & MATTISON CO.
A. E. Whitfield

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

SOUTHERN ASBESTOS CO.
J. T. Griffis

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

1. The meeting was called to order by President Bettles and it was noted that Mr. Whitfield was authorized to represent Keasbey & Mattison Company in place of Mr. Widmayer who was absent due to illness and that Mr. T. C. McCluskey, Tallman-McCluskey Fabrics Company, was in attendance representing that company for the first time as a regular member of the Institute. It was also noted that Asten-Hill Manufacturing Company and American Asbestos Textile Corporation had no representatives in attendance.
2. The first matter of business presented for consideration were the committee reports by the Chairmen of the several committees.

Air Hygiene Committee. The Air Hygiene Committee report was presented by D. R. Holmes, Chairman. The committee in meeting on this date reviewed the status of two proposed industry surveys to be undertaken by outside investigators which were designed to provide significant data to determine the relationships, if any, of asbestos dust hazards with suggested human ailments such as lung cancer, heart disease, etc. Action by the committee recommended an indefinite deferment of these surveys. The committee also discussed many manufacturing methods and techniques designed to improve operations and operating conditions within asbestos textile plants. In view of this very important activity of this committee it was agreed upon by the Board of Governors that henceforth this committee should be known as the Air Hygiene and Manufacturing Committee.

The complete report as presented by Mr. Holmes at the General meeting is attached as a part of the minutes of that meeting.

Technical Committee. The Technical Committee report was presented by Mr. M. W. Oliver, Chairman. This committee in meeting on this date devoted most of its time to the consideration of the new standard cloth list and the specifications pursuant thereto regarding lot acceptance sampling and tolerances. Brief considerations were also given to braid and tape specifications and to the Fellowship report. The formal report as presented by Mr. Oliver at the General meeting is attached as a part of the minutes of that meeting.

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Sales Promotion Committee, The Sales Promotion Committee report was presented by Mr. J. T. Griffis, Chairman. This committee, in meeting on this date, conducted discussions covering a wide variety of subjects related to the development and dissemination of useful information covering the utilization of asbestos textiles. The exhibition of the new exhibit was discussed and it was revealed that plans have been completed for the Navy Department to show it in Oklahoma City during the latter part of March and in Boston, Mass., during early April. Indications are that this exhibit will be on display most of the time until early June.

In further consideration of this subject it was agreed that the Institute should supply each Associate Member company with one set of black and white prints and one set of Kodachrome slides. The Board of Governors at this time authorized the necessary expenditure in support of this action.

Another subject of immediate interest which was discussed concerned the proposed program of quality labeling to be used by our members to indicate that certain materials comply with established specifications. The design of the label or seal was here approved and the standard specification for those materials to be so recognized were considered in cooperation with the Technical Committee which has been assigned the task of drafting the specification details. It is now planned to initiate this program around September 1, 1957.

Other subjects related to the activities of the Sales Promotion Committee were discussed and are covered in the full report as presented at the General meeting and which is attached as a part of the minutes of that meeting.

3. The next subject presented for consideration was the Treasurer's Report. In the absence of Treasurer Schoepf, the report was presented by the Assistant Treasurer. In this report it was recorded that a sum of \$1,500.00 had been transferred from the Fellowship account to the General Fund account as a credit to the sub-item "New Exhibit" carried in this account. This action was proposed at the previous meeting of the Board of Governors and upon a motion by F. J. Wakem, seconded by J. T. Griffis was unanimously approved at this time.

There being no further discussion regarding this report it was unanimously agreed that it should be presented at the General meeting with a recommendation for acceptance.

4. Under matters of new business consideration of new membership application was next pursued. President Bettes first read a letter recently received from Mr. C. H. Carlough, Carolina Asbestos Co., wherein that company declined, for the present, to request membership in the Institute. A second application received from Manufacturas E. R. I. C. A., Barcelona, Spain, was read and considered. However, lacking a full understanding as to the qualifications of this company, it was suggested that the Secretary should correspond with this company in an effort to determine whether or not the activities of this company provide a basis for membership in the Asbestos Textile Institute.
5. Before adjourning the meeting Mr. Bettes reported that word had been received to the effect that Pierre Marcotte, son of Mr. J. A. D. Marcotte, had been

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killed in an automobile accident in Paris, France on March 2. It was unanimously agreed that the Institute should extend condolences to the family of the deceased.

6. There being no further business to come before this meeting it was moved by Mr. Waken, seconded by Mr. Griffis and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

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MT-003678

The Technical Committee held its first quarter meeting on March 7, 1957, at the Warwick Hotel, Philadelphia, Pa. Mr. T. T. Tigert of Cassiar Asbestos Corporation, Ltd. was a guest.

IN ATTENDANCE

Raybestos-Manhattan, Inc.
M. W. Oliver, Chairman
M. S. Maier

Johns-Manville Corporation
J. L. Tucker
Edw. Beale

Keasbey & Mattison Company
R. L. Lanz

Southern Asbestos Company
J. D. McCluer

Tallman-McCluskey Fabrics Co.
T. C. McCluskey

American Asbestos Textile Corp.
E. C. Cutler

Philadelphia Textile Institute
M. C. Shaw

Cassiar Asbestos Corporation, Ltd.
T. T. Tigert (Guest)

Since all members had received a copy of the minutes of the previous meeting, it was moved by Mr. Tucker, seconded by Mr. Lanz, that the reading of the minutes be dispensed with at this time.

The first part of our meeting was devoted to the revision of the present A.T.I. Cloth List. The discussion was divided into three parts, as follows:

- Part I - Lot acceptance tests
- Part II - Table of Values
- Part III - Tolerances

During the past quarter, proposals were submitted by member companies as to what they considered a fair test on shipments of asbestos cloth on which the shipment would be accepted or rejected. These proposals were discussed and our recommendations as to the method of sampling to be used are outlined in Annex I of this report.

We spent the greater part of the remaining time on the Table of Values. Each style of cloth was discussed in detail and values established on tensile strength that we considered agreeable to all member companies. However, one member company could not state definitely that the values were acceptable and requested that his company reserve the right to comment at a later date. Mr. J. L. Tucker, Johns-Manville Corporation's representative, made this request. There were some cloths that were deleted due to there not being at least two member companies producing the style cloth in question. The Table of Values decided upon is a part of Annex I of this report.

There was a brief discussion on tolerances, and our recommendations are a part of Annex I of this report.

During the afternoon session, Dr. M. C. Shaw and the Chairman discussed this Table of Values with the Sales Promotion Committee. As a result of this discussion, Dr. Shaw is to prepare our recommendations on all revisions and submit this report to all members of the Technical and Sales Promotion Committees for acceptance or recommended revision. It was further recommended that Dr. Shaw review the list very carefully to see if certain cloths had been deleted

MS 004273

MT-003679

that should have been left on the list. It was stated that we should attempt to include standard cloths for all weight ranges, grades, gauges, and weaves, since this list is representative of the Asbestos Textile Industry.

Dr. M. S. Maier gave the report and led a discussion on asbestos tapes. A tentative specification has been drawn up and circulated among members of the Technical Committee on both electrical and industrial tapes. Dr. Maier requested all members to study these specifications and submit to him their recommendations on changes desired prior to its being submitted to A.S.T.M. for comments.

Mr. J. L. Tucker, Chairman of the Sub-Committee on Asbestos Tubing, stated there was no activity within his committee during the last quarter. The subject of a specification for braided asbestos tubing was brought up relative to revision of A.T.I. handbook, also, A.S.T.M. specification. In the minutes of the Technical Committee on 9/7/55, a complete specification was submitted to the Sales Promotion Committee to use as they desired. Mr. Tucker suggested we review this specification at this time to see if we want to make any changes in our previous recommendation. This is to be accomplished by all member companies during the coming quarter. Comments should be directed to Mr. J. L. Tucker, Johns-Manville Corporation, Manville, N. J.

Dr. Shaw passed out copies of his Fellowship Report #40, dated March 8, 1957. A brief discussion took place on testing of asbestos cloths at elevated temperatures for short periods of time. We were informed of what Dr. Shaw is doing in regards to procuring a new high temperature furnace.

There was no activity on U. S. Government specifications during the past quarter.

A brief discussion was held on the subject of measuring undesirable matter in asbestos. Dr. Shaw has been requested to make a survey of all member companies to determine what equipment is available for measuring the content of undesirable matter in asbestos, also, what method they consider best for carrying out this activity. It was requested that he determine if all member companies would be willing to participate in round-robin tests in measuring the undesirable matter contained in asbestos fibres. It was decided that one important point that should be cleared up is, "What is considered as undesirable matter in asbestos fibres?"

In conjunction with the secretarial program, Dr. Shaw requested each member company to submit to him samples of 36P10 and 40P10 in Commercial, Underwriters, and AAA grades, to be used in his program of evaluating asbestos cloths. Dr. Shaw passed out a bulletin published by the J. W. Dice Company, Englewood, N. J., relative to a "Tramp Metal Detector."

There being no further business to come before the meeting, it was moved by Mr. E. C. Cutler, and seconded by Mr. J. D. McCluer, that we adjourn.

Respectfully submitted,

Marion W. Oliver, Chairman

MS 004274

MT-003680

MINUTES of the General Meeting of
the Asbestos Textile Institute
held on March 8, 1957 in
Philadelphia, Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

ASTEN-HILL MANUFACTURING CO.
D. R. Holmes

JOHNS-MANVILLE CORP.
K. Q. Beyard
Edw. Beale
L. R. Hoff
W. S. Hough
E. A. Schuman
F. J. Wakem

KEASBEY & MATTISON CO.
R. L. Lanz
A. E. May
A. E. Whitfield
D. W. Widmayer

RAYBESTOS-MANHATTAN, INC.
M. W. Oliver
R. B. Smith

SOUTHERN ASBESTOS CO.
J. T. Griffis
J. L. Mitchell

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey
T. C. McCluskey, Jr.

ASBESTOS CORP., LTD.
Paul LeClerc

CASSIAR ASBESTOS CORP., LTD.
T. T. Tigert

NORTH AMERICAN ASBESTOS CORP.
A. F. Jerome

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

Luncheon Guests:
Mr. E. Muehleck,
Keasbey & Mattison Co.

Mr. Charles H. Jackson,
Atlas Asbestos Co., Ltd.,
Montreal, Canada

1. The meeting was called to order by President Bettles and an address of welcome was extended to all of those in attendance. Recognition and welcome was extended to Mr. T. C. McCluskey, Tallman-McCluskey Fabrics Company, on this his first attendance as a regular member of the Institute.
2. The minutes of the last meeting were submitted for reading, however, since all members had received copies of these minutes and were familiar with the actions there taken, it was moved by D. W. Widmayer, seconded by D. R. Holmes and unanimously agreed that the reading of the minutes be omitted at this time.
3. The Treasurer's Report was presented by the Assistant Treasurer and upon the recommendation of the Board of Governors who had previously considered this report, it was moved by F. J. Wakem, seconded by D. W. Widmayer and unanimously agreed that the report be approved and attached as a part of the minutes of this meeting.
4. The Secretary's Report was next presented and among the subjects discussed were:

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a) A new publication entitled "Asbestos" by Charles Z. Carroll-Porczyński which was reviewed and particulars related to methods of procurement given.

b) Another magazine publication entitled "Research & Engineering" was cited and a review of an article titled "And Now Plastic Missles" in the January 1957 issue of this magazine was presented.

c) The next General Meeting of the Institute which is scheduled to be held at the Warwick Hotel, Philadelphia on Thursday and Friday, June 6 and 7.

5. President Bettes next called upon legal counsel, Mr. M. I. Ruddock, to address the meeting in regard to any legal developments in which this association and its activities might be interested. Mr. Ruddock addressed the group concerning Senate Bill 11 on which hearings were about to be held by the Senate Judiciary Antitrust and Monopoly Legislation Subcommittee of which Sen. Kefauver is Chairman. Mr. Ruddock explained in detail the manner in which this bill, which is a proposed amendment of the Robinson-Patman Act, would limit the right of a manufacturer to lower his price in good faith to meet a competitors lower price. Mr. Ruddock stated that in his opinion the bill would actually impede the normal functioning of free and open competition. He then distributed to all member companies a "Special Legal Bulletin" analyzing Senate Bill 11 in detail and listing the membership of the Senate and House committees which would deal with the bill.

6. The next segment of the meeting was devoted to reports by the Chairmen of the several active committees of the Institute.

a) Mr. D. R. Holmes, Chairman of the Air Hygiene Committee, presented the first report on behalf of his committee. The formal report as presented is attached as a part of the minutes of this meeting. During the course of this presentation it was revealed that through the suggestion and action by the Board of Governors this committee will from this date forward be known as the "Air Hygiene and Manufacturing Committee". It was felt that in most cases the two functions are closely related and that since this committee has in the past very capably considered and acted upon matters specifically related to manufacturing problems, it should now be formally recognized as a function of this group.

b) The Technical Committee report was presented by Chairman M. W. Oliver who reported regarding the work of this committee during the past quarter and in session during this meeting. This committee has been primarily interested during recent months in the revision of the standard cloth list and in the establishment of lot acceptance test procedures and tolerances for the cloths included on this list. Mr. Oliver's Report covered these subjects in detail and a copy of this formal report as presented is attached as a part of the minutes of this meeting.

c) The final committee report was presented by Mr. J. T. Griffis, Chairman of the Sales Promotion Committee. This committee is presently engaged in a number of activities designed to promote the effective dissemination of information covering asbestos textiles and to explore new fields of utilization for these materials. The formal report as presented by Mr. Griffis is attached as a part of the minutes of this meeting.

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d) The Fellowship report, presented by Dr. Shaw, covered the construction of a new high temperature furnace and the results of preliminary test work to establish the capabilities of the furnace. This furnace has been so designed that both high temperature tensile strength characteristics and insulation properties may be determined. The complete report as presented is attached as a part of the minutes of this meeting.

7. President Bettles announced that word had been received to the effect that Mr. Pierre Marcotte, son of Mr. J. A. D. Marcotte, was killed in an automobile accident while serving in France as a representative of Asbestos Corporation. Mr. Paul LeClerc, Asbestos Corp., was called upon to give the available details regarding the accident.

The members assembled were deeply shocked upon learning of the unfortunate accident and as an expression of the sentiments of the group, it was moved by Mr. L. R. Hoff and unanimously agreed that a message of condolence be transmitted to the family of the deceased and that a proper expression of these sentiments be set forth by the following resolution in these minutes.

"Resolved, that the members of the Asbestos Textile Institute extend to J. A. D. Marcotte and his family their deep sympathy and condolence on the untimely passing of his son, Pierre Marcotte".

8. The final subject of business introduced for consideration was related to new membership application. During recent months an application was received from Manufacturas E. R. I. C. A., Barcelona, Spain. This application was considered by the Board of Governors in earlier session, however, due to insufficient information relative to the qualifications of the applicant no decision was gained. It was therefore agreed that the Secretary should address an inquiry to the applicant seeking information which may be used in determining whether or not the proper qualifications are held by the applicant. Further consideration will be given the application upon receipt of the information sought.
9. There being no further business to come before this meeting it was moved by Mr. Wakem, seconded by Mr. Griffis and unanimously agreed that the meeting be adjourned for luncheon.

The Institute was pleased and honored to have as luncheon guests on this occasion Mr. Ernest Muehleck, President, Keasbey & Mattison Company and Mr. Charles H. Jackson, Atlas Asbestos Company, Montreal, Canada. Mr. Muehleck was introduced by President Bettles and announcement was here made that on April 1, 1957 Mr. Muehleck would retire as President of Keasbey & Mattison Company, the Company he had so faithfully and capably directed for many years. Recognition was also made of the contributions he had made to the Asbestos Textile Institute as one of the founders and members of the organization.

Mr. Muehleck responded to the introduction in his usual and delightful manner concluding his remarks with his celebrated presentation of the Little Albert and Jack Dempsey stories.

Mr. Jackson, Atlas Asbestos Company, also addressed the group briefly, expressing his appreciation for this invitation to join with the membership on this occasion.

Myril C. Shaw,
Secretary

PRODUCED
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Ambler, Pa.
June 4, 1957

Mr. J. G. Schoepf, Treasurer
Asbestos Textile Institute

Dear Mr. Schoepf:

In compliance with your request, examination was made of the books and records of the Asbestos Textile Institute under Dr. M. C. Shaw's supervision on Monday, June 3, 1957. The audit covers the period from March 5, 1957 to June 3, 1957 inclusive.

The Balance Sheet of the Asbestos Textile Institute at June 3, 1957 is set forth below:

ASSETS	
Total Cash in Bank (Schedule A)	\$22,988.43
Total Cash on Hand	92.07
Postage on Hand	3.73
* Furniture & Equipment (nominal value)	1.00
	<u>\$23,085.23</u>
LIABILITIES	
Philadelphia Wage Tax	\$ 32.84
Net Worth	<u>23,052.39</u>
	<u>\$23,085.23</u>

* Other Asset items not included in above classification are shown in Schedule B.

The latest statement received from the depository (Chase-Manhattan Bank of New York) in which all funds of the Institute are kept, shows a balance of \$7,776.31 on April 25, 1957. The Petty Cash Fund totalling \$100.00 includes \$92.07 in cash and \$7.93 in vouchers. This fund was verified by actual count.

Schedule A: Showing a reconciliation of the Bank Balance at June 3, 1957:

Bank Balance per Latest Statement, April 25, 1957	\$ 7,776.31
Add: Bank Deposit subsequent to April 25, 1957	18,286.59
	<u>\$26,062.90</u>
Less: Checks Drawn Subsequent to April 25, 1957:	

Check No.	Date	Payee	Amount
1207	4/18/57	Branch Motor Express	\$ 45.38
1208	4/30/57	Philadelphia Textile Inst.	13.88
1209	4/30/57	M. C. Shaw	900.72
1210	4/30/57	1st Penna. Banking & Trust Co.	198.62
1211	5/1/57	Chas. P. Mills & Son	74.16
1212	5/7/57	Petty Cash	79.49
1213	5/7/57	Carborundum Company	28.22
1214	5/10/57	C. P. Mills & Son	259.56
1215	5/14/57	Art Guild of Philadelphia	139.40
1216	5/16/57	T. C. Hurley	30.00
1217	5/21/57	Petty Cash	82.62
1218	5/31/57	Philadelphia Textile Inst.	15.31
1219	5/31/57	Roy Rittenhouse	43.70

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1220	5/31/57	A. Pomerantz & Company	63.66
1221	5/31/57	M. C. Shaw	921.48
1222	5/31/57	1st Penna. Banking & Trust Co.	157.10
1223	6/1/57	The Carborundum Company	21.17
			<u>\$ 3,074.47</u>

BALANCE ON HAND IN BANK, JUNE 3, 1957

\$22,988.43

Checks numbered 1172 to 1190 inclusive, which were outstanding at the last audit were examined and found to be in order. Bank deposits during this period totalled \$21,282.50 and were credited to the following accounts: Fellowship Fund - \$12,875.00; General Fund - \$8,407.50.

A reimbursement transfer in the amount of \$251.45 was made from the General Fund to the Petty Cash Fund.

Schedule B: Other Assets of Asbestos Textile Institute:

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Date Acquired</u>	<u>Purchase Cost</u>
(a)	7	Visual Aid Display Cases	January 1950	\$ 3,414.32
(b)	1	Suter Tensile Tester	August 1947	726.00
(c)	1	Heat Aging Furnace	April 1951	849.98
(d)	1	Bausch & Lomb Triple Purpose Micro-Projector	May 1954	94.00
(e)	1	Brabender Moisture Tester	September 1954	765.00
(f)	1	Federal Thickness Gage	January 1947	50.50
(g)	1	Mapes Magnetic Analyzer	April 1953	100.00
(h)	1	Scott Twist Tester	December 1947	126.50
(j)		Office Furniture & Equipment	September 1954	757.50
(k)	1	Temco Muffleoven & Control	October 1954	161.00
(l)	1	Cenco Balance	October 1954	32.25
(m)	1	Electric Stopclock	October 1954	50.00
(n)	1	Abradoflex	January 1956	1,175.00
(o)	1	Exhibit - 4 sections	March 1957	5,000.00
TOTAL				<u>\$ 13,302.05</u>

S.C. Gehman, Auditor

MS 004279

MT-003685

PRODUCED
IM - 83

Ambler, Pa.
June 4, 1957

Mr. J. G. Schoepf, Treasurer
Asbestos Textile Institute

Dear Mr. Schoepf:

In compliance with your request, examination was made of the books and records of the Asbestos Textile Institute under Dr. M. C. Shaw's supervision on Monday, June 3, 1957. The audit covers the period from March 5, 1957 to June 3, 1957 inclusive.

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	<u>\$23,085.23</u>
<u>LIABILITIES</u>	
Philadelphia Wage Tax	\$ 32.84
Net Worth	<u>23,052.39</u>
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1216	5/16/57	T. C. Hurley	30.00
1217	5/21/57	Petty Cash	82.62
1218	5/31/57	Philadelphia Textile Inst.	15.31
1219	5/31/57	Roy Rittenhouse	43.70

MS 004280

11A

-2-

1220	5/31/57	A. Pomerantz & Company	63.66
1221	5/31/57	M. C. Shaw	921.48
1222	5/31/57	1st Penna. Banking & Trust Co.	157.10
1223	6/1/57	The Carborundum Company	21.17
			<u>\$ 3,074.47</u>

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(d)	1	Bausch & Lomb Triple Purpose Micro-Projector	May 1954	94.00
(e)	1	Brabender Moisture Tester	September 1954	765.00
(f)	1	Federal Thickness Gage	January 1947	50.50
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(j)		Office Furniture & Equipment	September 1954	757.50
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(l)	1	Cenco Balance	October 1954	32.25
(m)	1	Electric Stopclock	October 1954	50.00
(n)	1	Abradoflex	January 1956	1,175.00
(o)	1	Exhibit - 4 sections	March 1957	5,000.00
TOTAL				<u>\$ 13,302.05</u>

S.C. Gehman, Auditor

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ROSTER
ASBESTOS TEXTILE INSTITUTE

MEMBER COMPANIES

AMERICAN ASBESTOS TEXTILE CORP.
Norristown, Pa.
ASTEN-HILL MANUFACTURING COMPANY
Philadelphia 29, Pa.
JOHNS-MANVILLE CORPORATION
New York 16, N. Y.
KEASBEY & MATTISON COMPANY
Ambler, Pa.
RAYBESTOS-MANHATTAN, INC.
Manheim, Pa.
SOUTHERN ASBESTOS COMPANY
Charlotte 1, N. C.
TALMAN-McCLUSKEY FABRICS CO.
St. Louis, Mo.

ASSOCIATE MEMBERS

ASBESTOS CORPORATION, LTD.
Thetford Mines, Quebec, Canada
BELL ASBESTOS MINES LTD.
Thetford Mines, Quebec, Canada
BRITISH BELTING AND ASBESTOS, LTD.
Cleckheaton, Yorkshire, England
THE CAPE ASBESTOS COMPANY, LTD.
London, W.1, England
GASSIAR ASBESTOS CORP., LTD.
Toronto, Canada
ENGLISH ASBESTOS COMPANY, LTD.
Bristol 4, England
JOHNSON'S COMPANY, LTD.
Thetford Mines, Quebec, Canada
SMALL & PARKES, LTD.
Manchester 9, England
SOCIETE ANONYME FRANCAISE DU FERODO
Paris, France

MS 004282

Hotel Warwick
Philadelphia, Pa.
June 6-7, 1957

ASBESTOS TEXTILE INSTITUTE

GENERAL MEETING

OFFICERS

President J. A. Bettes, Jr.
 Vice President J. T. Griffis
 Treasurer J. G. Schoepf
 Secretary M. C. Shaw

BOARD OF GOVERNORS

J. A. Bettes, Jr. R. S. Tallman
 A. J. Scanlan F. J. Wakem
 J. G. Schoepf D. W. Widmayer

LEGAL COUNSEL

M. I. Ruddock
 Cadwalader, Wickersham & Taft

COMMITTEES

Sales Promotion: J. T. Griffis, Chair
 J. A. Brown, Jr.
 A. R. Byrnes
 G. J. Harris
 W. S. Hough
 A. J. Scanlan
 J. G. Schoepf
 E. A. Schuman
 A. E. Whitfield

Air Hygiene & Mfg.
 D. R. Holmes, Chair.
 H. M. Jackson
 A. E. May
 J. L. Mitchell
 T. C. McCluskey
 R. B. Smith
 J. W. Weber
 B. W. Luttenberger

Fiber:

A. W. G. Gibb
 J. A. D. Marcotte
 J. A. Bettes, Jr.
 A. J. Scanlan
 J. G. Schoepf
 J. T. Griffis

Technical:

M. W. Oliver, Chair.
 D. V. Asten
 Edw. Beale
 E. C. Cutler
 R. L. Lanz
 M. S. Maier
 J. D. McCluer
 J. L. Tucker

MEETING SCHEDULE

Thursday, June 6, 1957:

Committee Meetings:

Technical Committee --- 9:30 A.M. -- 5:00 P.M.
 Room 306

Air Hygiene & Mfg. Committee --- 9:30 A.M.--5:00 P.M.
 Room 307

Sales Promotion Committee - 9:30 A.M.--5:00 P.M.
 Secretary's Suite

Board of Governors:

Meeting --- 5:30 P.M. -- Secretary's Suite

Friday, June 7, 1957:

General Meeting --- 9:30 A.M. -- Colonial Room

Luncheon --- 12:30 P.M.

GENERAL MEETING AGENDA

Call to Order by the President --- 9:30 A.M.
 Minutes of last Meeting
 Treasurer's Report
 Secretary's Report
 Legal Counsel Report
 Committee Reports:

Air Hygiene & Mfg. --- D. R. Holmes
 Sales Promotion --- J. T. Griffis
 Technical --- M. W. Oliver
 Fellowship Report --- M. C. Shaw

Old Business
 New Business
 Adjournment
 Luncheon

MINUTES OF THE MEETING OF THE SALES PROMOTION COMMITTEE OF

THE ASBESTOS TEXTILE INSTITUTE

HELD AT THE WARWICK HOTEL, PHILADELPHIA, PENNSYLVANIA

JUNE 6TH AND JUNE 7TH, 1957

IN ATTENDANCE:

J. T. Griffis, Chairman
SOUTHERN ASBESTOS COMPANY

RAYBESTOS-MANHATTAN, INC.

J. A. Bettes, Jr.
J. A. Brown

JOHNS-MANVILLE CORPORATION

E. A. Schuman

AMERICAN ASBESTOS TEXTILE

A. J. Scanlan

SOUTHERN ASBESTOS COMPANY

J. T. Griffis
G. J. Harris

KEASBEY & MATTISON COMPANY

A. E. Whitfield
S. I. Harris

TALLMAN-McCLUSKEY FABRICS CO.

T. C. McCluskey
A. R. Byrnes

Our meeting was opened by requesting Mr. E. A. Schuman to act as Chairman of a committee to see if it would be possible to get Asbestos included in the chart that McGraw-Hill publishes every two years. While this is termed a "Synthetic Fiber Table", it does include such items as cotton and wool, and we feel that Asbestos should also be included. With the help of Dr. Shaw the necessary information can be compiled and published in the next issue if we are successful. This will be quite helpful in comparing the many desirable features of Asbestos to the other synthetic and natural fibers included in this chart.

Next on our agenda was the studying of charts on temperatures. We expressed our appreciation to the Technical Committee for the help that they are giving sales in better presenting more factually the advantages of using Asbestos Products, and at the same time placing the proper Grades and Types of Asbestos Products to better uses.

The new A.T.I. Display has been receiving an excellent reception with all Branches of the Armed Forces. It was in Washington for some time and from there it was sent to Oklahoma City, and then to Boston, and it has now returned to Andrews Field in Washington. We have just received a request for a three months tour in the area of the Great Lakes Naval Training Station. While the Display is in that vicinity efforts will be made to see whether it can be placed in the Rossenwald Museum of Science at Jackson Park Illinois.

Note was taken on the splendid article written by Dr. Shaw and appearing in the Journal of Commerce on Wednesday, May 1, 1957 entitled, "Increased Supplies of Fiber Spur New Uses for Asbestos."

We acknowledge with thanks the Quebec Asbestos Mining Association article which was read relating to the availability of spinning fiber. The article

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MT-003690

is so good that we are requesting that it be sent by the Q.A.M.A. to the personal attention of the following:

Dr. Oliver Bowles
Bureau of Mines
Washington, D. C.

Mr. Walter Sinclair
Engineering Experiment Station
Annapolis, Maryland

Mr. Harry B. Sharp
Business & Defense Service Administration
Washington, D. C.

Mr. G. W. Josephson
Chairman, Task Committee for
Asbestos

Mr. R. W. Webster
Navy Department
Bureau of Ships
Washington, D. C.

U. S. Bureau of Mines
Washington, D. C.

Plus any other Departmental offices that it is felt wise and best to send this article.

Your Chairman is writing to Mr. I. C. Campbell requesting that this information be forwarded to the people listed above, and listing other suggestions. It will also be requested that extra copies of this article be sent to each member of the Sales Promotion Committee so that they may be distributed to the best advantage. It is suggested that since this article is so good and important, that even though we might duplicate our efforts it is better to give some person two copies than to take a chance in missing some person.

New labels are now being prepared embodying the A.T.I. symbol. These are to be used on letterheads as well as packages, identifying Member Company Products and the high standards of quality that we are maintaining. We expect these labels to be available by the September meeting.

We discussed in the Sales Promotion Committee the need for information with reference to the effect of Nuclear Radiation on Asbestos. What to do about it, and how much it will cost to get the information will be covered in other reports.

We are grateful for the letters from our Associate Members acknowledging their appreciation for the slides and pictures of the new Display.

This new Display has been so well accepted in various Departments of the Government that we have not had an opportunity to put it out for the general public. If you have suggestions about where this Display might be placed to good advantage please pass them along so that this exhibit might be properly booked.

Respectfully submitted,

J. T. Griffis
Chairman

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MS 004285

MT-003691

MINUTES of the General Meeting
of the Asbestos Textile Institute
held June 7, 1957 in Philadelphia,
Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

JOHNS-MANVILLE CORP.

W. S. Atkinson
Edw. Beale
J. L. Tucker

KEASBEY & MATTISON CO.

S. I. Harris
R. L. Lanz
A. E. May
R. R. Porter
A. E. Whitfield
D. W. Widmayer

RAYBESTOS-MANHATTAN, INC.

J. A. Brown
M. W. Oliver
R. B. Smith

SOUTHERN ASBESTOS CO.

J. T. Griffis
G. J. Harris
J. L. Mitchell

TALLMAN-McCLUSKEY FABRICS CO.

A. R. Byrnes
John Cerney
T. C. McCluskey
T. C. McCluskey, Jr.

ASBESTOS CORPORATION, LTD.

J. A. D. Marcotte

JOHNSON'S COMPANY, LTD.

A. W. G. Gibb

CAPE ASBESTOS COMPANY

R. E. Cryor

CADWALADER, WICKERSHAM & TAFT

M. I. Ruddock

ASBESTOS TEXTILE INSTITUTE

M. C. Shaw

1. The meeting was called to order by President Bettles and a brief address of welcome extended to all of those present.
2. For the first order of business, the President called for a reading of the Minutes of the last meeting, however, since all members had received copies of these minutes and were familiar with these transactions, it was moved by D. W. Widmayer, seconded by J. T. Griffis and unanimously agreed that the reading be omitted at this time.
3. The Treasurer's report was next presented with a recommendation by the Board of Governors that it be approved, based upon previous considerations. Following a review of this report it was moved by J. T. Griffis, seconded by J. A. Brown and unanimously agreed that the report be approved and attached as a part of the minutes of this meeting.
4. The President next called upon legal counsel, Mr. M. I. Ruddock, to address the meeting in regard to matters of legal interest to the Institute membership. Mr. Ruddock discussed in some detail the recent decision of the Supreme Court in the DuPont case and discussed in detail the application of Section 7 of the Clayton Act to the 23% stock ownership of DuPont in General Motors Corporation.

MS 004286

MT-003692

5. The following segment of the meeting was devoted to the presentation of the formal committee reports by the committee chairmen or a designated chairman of a given committee for this occasion. Mr. R. B. Smith, Raybestos-Manhattan, Inc., spoke on behalf of the Air Hygiene and Manufacturing Committee; Mr. M. W. Oliver spoke for the Technical Committee and Mr. J. T. Griffis spoke for the Sales Promotion Committee. Each report presented a detailed account of the activities pursued by the several committees and set forth plans and programs for consideration at subsequent meetings. Copies of each report as presented are attached as a part of the minutes of this meeting.

During the discussion which followed the presentation of these reports, President Bettes cited the need for action toward the clarification of fiber evaluation techniques. There is presently much confusion in this area of study and it was suggested that the Asbestos Textile Institute might well perform a useful service by devoting some attention to the problems here involved. In view of this, it was moved by J. T. Griffis, seconded by T. C. McCluskey and unanimously agreed that "The President of the Institute should take the necessary steps to establish a Fiber Evaluation Committee within the Asbestos Textile Institute, drawing upon those members who may be associated with manufacturers or miners who are best qualified through experience to serve on such a committee".

Attention was also called to the fact that inquiries are now being received relative to the ability of asbestos and materials containing asbestos to withstand attack by nuclear radiation. There being little or no information available it was agreed that Dr. Shaw should investigate and determine possible locations where such tests might be conducted and what the cost for such tests would be.

6. Following the committee reports, the Fellowship Report was presented by Dr. Shaw. The Fellowship work during recent months has been devoted to high temperature investigations and the results of these studies are included in this report which is attached as a part of the minutes of this meeting.
7. Upon conclusion of the formal reports the meeting was opened for the discussion of matters of old business. At this time application for membership in the Institute were reviewed, however, there being no new developments there were no actions in this regard. There being no other matters of old business, subjects of new business were introduced for consideration.

President Bettes advised that the next meeting of the Institute will be the annual meeting for 1957 and will be held at the Hotel Commodore, New York City, September 5-6. A special effort will be made to have as many as possible of our Associate members represented on this occasion as well as top ranking officials of our Member companies.

On the occasion of this annual meeting it will be the task of the President to appoint new committee chairmen to serve the three active committees of the Institute for the ensuing two years and the cooperation of each of those approached for such duty was sought.

8. There being no further business to come before this meeting it was moved by J. T. Griffis, seconded by D. W. Widmayer and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

MS 004287

22B

MINUTES OF THE ASBESTOS TEXTILE INSTITUTE

AIR HYGIENE AND MANUFACTURING COMMITTEE

June 6, 1957

IN ATTENDANCE:

B. W. Luttenberger - Raybestos-Manhattan, Inc.
A. E. May - Keasbey & Mattison Co.
J. L. Mitchell - Southern Asbestos Co.
W. C. Atkinson - Johns-Manville Corp.
John Cerny - Tallman-McCluskey Fabrics Co.
R. B. Smith - Raybestos-Manhattan, Inc.

The following items were taken up for discussion in a Round Table Type Atmosphere with all member companies participating.

1. Dust Collecting Equipment with particular emphasis on companies' experiences of conveying material out of their collector after it has been separated from the Dust Laden Air. Also under this item Air Velocities, Ratios of C.F.M.'s to Cloth Filtering Surfaces, Cloth Filtering Life and Reverse Air. Cleaning of Filters was discussed.
2. Delivering material from one department to another was discussed with an aim at reducing dust in these operations. Various methods being used are Conveyors, Box Trucks, Bags and Ceiling Condensors.
3. Various methods & places of oiling stock was discussed. It is generally agreed that if nothing else is gained oiling of stock does reduce dust.
4. Dust counts and procedures of taking dust counts was discussed. Some trouble spots were presented for general discussion and some suggestions were made for correcting these places. This item is to be continued at the next meeting with each member bringing their recent dust count results for comparison and discussion.
5. A review of Southern Asbestos Co.'s report "Analysis of Fibres as received from Bags" was held and the information received was thought to be very valuable. This item is also to be discussed at the next meeting.
6. Mr. W. C. Atkinson of Johns-Manville Corp. presented a report on various types of Vacuum Cleaners. A copy of this report may be secured directly from Mr. Atkinson.
7. Mr. A. E. May of Keasbey & Mattison Co. presented a report of Turner-Newhell's experience using a Greenburg-Smith Impinger for Dust Counting. These results were compared by Turner-Newhell with their Thermal Precipitator Dust Count results, since none of the members present have had any experience with the Thermal Precipitator method no comparisons are available. A copy of this report will be sent to all member companies for study and will be discussed further at the next meeting.

MS 004288

PRODUCED
JM - 83

MT-003694

AGENDA FOR NEXT MEETING

1. Mr. Hugh Jackson will give a report on Q.A.M.A.'s activities.
2. Continued study of Southern's Report "Analysis of Fibres as received from Bags".
3. Continued discussion of Dust Collecting Equipment and Removal of Dust at Machine Locations.
4. Comparison of Dust Counts, discussion of High Count Areas and Methods of Correction.
5. Discussion of Turner-Newhell's report.

Respectfully Submitted,
R. B. Smith, Acting Chairman

MS 004289

MT-003695

PRODUCED
JM - 83

The Technical Committee held its second quarter meeting on June 6, 1957, at the Warwick Hotel, Philadelphia, Pa.

IN ATTENDANCE

RAYBESTOS-MANHATTAN, INC.
M. W. Oliver, Chairman
H. S. Maier

JOHNS-MANVILLE CORPORATION
J. L. Tucker
Ed Beale

KEASBEY & MATTISON COMPANY
R. L. Lanz
D. F. Quealy

SOUTHERN ASBESTOS COMPANY
J. D. McCluer

TALLMAN-McCLUSKEY COMPANY
T. C. McCluskey
T. C. McCluskey, Jr.

AMERICAN ASBESTOS TEXTILE CORP.
E. C. Cutler
G. H. Clark, Jr.

PHILADELPHIA TEXTILE INSTITUTE
M. C. Shaw

Since all members had received a copy of the minutes of the previous meeting, it was moved by Mr. J. L. Tucker, seconded by Mr. R. L. Lanz that the reading of the minutes be dispensed with at this time.

The first item on our agenda was committee reports. These reports were made as follows:

CLOTH COMMITTEE: Discussion was led by Mr. J. D. McCluer, Chairman of the Sub-Committee on Asbestos Cloth. The A.T.I. Cloth List which appeared as a part of the minutes of the meeting of our committee on March 7, 1957, is to be changed as follows:

- (1) Delete cloth designated as 24P16.
- (2) Recommended changes on certain cloths:

Style Cloth A.T.I. Designation	Present Values		Grade	Recommended Values	
	W	F		W	F
22P16	None	None	AA	80	40
29P10	80	25	Und.	95	25
29P14	85	35	AA	95	45
34P10	85	33	AAA	100	50
38P12	100	50	AAA	105	55

It was agreed that all member companies could meet the standards as set forth in the table of values submitted as a part of the minutes of the meeting of March 7, 1957, with above changes. However, it was requested by Mr. J. L. Tucker, that the publishing of this list be withheld for ninety (90) days due to a change over in the textile mill operations. This request was presented to the Board of Governors. Their decision was that we would publish the A.T.I. list as soon as we are in a position to do so. This list is now complete with the exception of "After Heat Tensiles." The publishing of the list will not be held up for this reason as it was agreed this information could be added at a later date.

MS 004290

MT-003696

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Dr. Shaw will conduct further tests to determine what procedure should be used for establishing "After Heat Tensile Values." The Sales Promotion Committee did not look favorably upon the suggestion of the Technical Committee, and, Dr. Shaw that Commercial and Underwriters grade cloths be tested at 400°F. for two hours, Grade A and Grade AA at 600°F. for two hours, and Grade AAA and Grade AAAA at 800°F for two hours. It was expressed by the Sales Promotion Committee's Chairman, Mr. J. T. Griffis, that more exact data for each style cloth in each grade at varying temperatures would be more valuable for them from a sales standpoint.

TAPE COMMITTEE: Mr. R. L. Lanz, Chairman of the Sub-Committee on Asbestos Tapes, presided over a discussion on A.T.I. Specifications for Industrial Tapes and Asbestos Tapes for Electrical purposes. The specifications were agreed upon and are attached as a part of the minutes of this meeting. We hereby submit them as a complete A.T.I. specification for proper disposition by the Sales Promotion Committee.

BRAID COMMITTEE: Mr. J. L. Tucker, Chairman of the Sub-Committee on Braided Asbestos Tubings, led a brief discussion on this subject. Mr. Tucker will submit to each member company for recommendations the latest table of values. Any desired changes must be submitted to Mr. Tucker no later than June 30, 1957. It is the intention of this committee to complete this specification during our third quarter meeting.

Dr. Shaw discussed his Fellowship Report #41, dated June 7, 1957, with members of our committee. His report pertained in the most part to upper temperature limits of serviceability for asbestos textiles. Pictures of the new furnace constructed by Dr. Shaw were shown to all members with an explanation of types of tests conducted. Particular interest was shown in the melting point and thermal barrier efficiency tests. These are described in detail in Dr. Shaw's Fellowship Report.

The next item on the agenda was: TECHNICAL COMMITTEE - A.S.T.M. ACTIVITIES: Dr. Maier presented copies of proposed specifications on Industrial and Electrical Tapes now under consideration in A.S.T.M. These specifications were very carefully examined and Dr. Maier was given our recommended changes. These specifications for the most part are identical to our A.T.I. specifications except they go into more detail as is customary for any A.S.T.M. activity.

Our Committee discussed the proposed revision of the Ordnance Spec. Mil-I-10316A. Dr. Shaw presented to them during the last quarter our recommendations on proposed revision. This was the only activity relative to U.S. Government Specifications during the second quarter.

It was recommended that a new way of measuring or evaluating asbestos fiber be considered. It was generally agreed that the shaker box method may not be too accurate or meaningful. It was realized that the miners would in all probability be just as interested in pursuing this investigation as we are, therefore, it was suggested that the President of the Institute invite the Canadian Miners to participate in such an investigation. The two main points to be determined, in the opinion of the Technical Committee, are: (1) What type of instrument should be used, (a) Bauer-McNett, (b) Clark's Classifier, (c) Others; (2) What procedure should be established. A committee will be formed to work with the committee from Canada if they accept our invitation to participate in the

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investigation. It was mentioned that the personnel to serve on this committee from some of the member companies may not regularly attend the A.T.I. meetings. Each member company will be given the opportunity of having a representative on this committee when it is formed. Another comment was that possibly this committee should act as a separate committee and not as a part of the Technical Committee.

A committee was formed to carry out an analysis of present asbestos fibers in use to determine whether or not the factor of .14, now in use, is the correct factor to use. This factor was established several years ago from an analysis on several types of asbestos. Since some different types are in use today, it was decided this factor should be re-evaluated. Dr. Shaw will work with this committee and a round-robin discussion will be carried out to map out procedure to be followed in ascertaining whether the .14 factor should remain or be changed. The committee members to work with Dr. Shaw on this project are as follows:

M. S. Maier, Chairman	Raybestos-Manhattan, Inc.
J. D. McCluer	Southern Asbestos Company
J. L. Tucker	Johns-Manville Corporation
R. L. Lanz	Keasbey & Mattison Company

Mr. R. L. Lanz, Keasbey & Mattison Company, reported that tests have been conducted on short asbestos fibers for undesirable matter using the Elutriator. Additional tests are being conducted on textile fibers and results will be made available to other members of the A.T.I. when tests are complete.

Study is being continued on Nomenclature and Definitions of terms used in the Asbestos Textile Industry. This subject will be discussed in detail at our third quarter meeting.

Dr. M. S. Maier brought up for discussion the subject of "Effect of Nuclear Radiation on Asbestos/and/or Asbestos Textile Products." It was thought this could result in an expensive investigation and comments were made that since this was a matter of importance to all member companies, that it possibly should be a project for the Asbestos Textile Institute. Our thoughts were presented to the Board of Governors. They directed Dr. Shaw to conduct a preliminary investigation to determine what we would need in the way of a test, and, how much it would cost to conduct the tests. When this information has been collected, if the Board of Governors vote to pursue the matter further as an A.T.I. project, a committee will be formed to work with Dr. Shaw, in carrying out the necessary tests.

There being no further business to take up at this meeting, it was moved by Mr. E. C. Cutler, seconded by Mr. McCluer, that we adjourn.

Respectfully submitted,

Marion W. Oliver, Chairman

MS 004292

MT-003698

15C

MINUTES of the Meeting of the
Board of Governors of the
Asbestos Textile Institute held
June 6, 1957, in Philadelphia, Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

AMERICAN ASBESTOS TEXTILE CORP.
A. J. Scanlan

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey

KEASBEY & MATTISON CO.
D. W. Widmayer

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

SOUTHERN ASBESTOS CO.
J. T. Griffis

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

1. The meeting was called to order by President Bettles and it was noted that two member companies were not represented at this meeting, namely, Asten-Hill Manufacturing Co., and Johns-Manville Corp.
2. The opening portion of the meeting was devoted to committee reports presented by the chairmen of the three active committees covering the work of these groups while in session earlier on this date.

The first report was presented by R. B. Smith, Raybestos-Manhattan, Inc., in the absence of the regular chairman, D. R. Holmes, for the Air Hygiene and Manufacturing Committee. This committee in session earlier on this date considered a wide range of subjects related to problems of dust control and measurement and new manufacturing techniques. The full report as presented at the General meeting is attached as a part of the minutes of that meeting.

The Technical Committee report was presented by M. W. Oliver, Chairman of that Committee. During the course of the discussions held by this committee in meeting earlier on this date, the full agenda was covered and, in addition, two subjects of immediate interest and importance were introduced for consideration. The added subjects concerned 1) the evaluation of fibers on the basis of present day understandings, techniques and equipment, and 2) the effect of nuclear radiation upon asbestos and products containing asbestos. With regard to the subject of fiber evaluation it was pointed out by Mr. Bettles that there are a number of machines and techniques today available by means of which fiber dimension properties are attainable, however, each investigator using such a device usually has a method of procedure of his own or a technique unique to his own operations. In view of this, there is little, if any, possibility of correlation of results between laboratories or investigators. It is suggested that a sincere effort be exerted to correct these present inconsistencies and a special subcommittee is to be established to initiate work in this endeavor.

The second subject introduced deals with the subject of nuclear radiation and its effect upon asbestos and the products containing asbestos. Asbestos textiles are continually being applied and adopted to service under

conditions where nuclear radiation will be encountered. The ability of these materials to withstand destruction under these conditions is presently unknown and it is now proposed that this committee exert efforts to explore this field. It was suggested that Dr. Shaw should determine where samples might be subjected to such radiation and what the expense for such tests might be. In addition, a thorough search of all available literature pertaining to this subject was suggested.

The full report covering all of the work carried out by the Technical Committee as presented at the General meeting is attached as a part of the minutes of that meeting.

3. Following the committee reports, the formal meeting of the Board of Governors was convened. The President offered the minutes of the last meeting for reading, however, since all members had received copies of these minutes and were familiar with the transactions, it was moved by D. W. Widmayer, seconded by J. T. Griffis and unanimously agreed that the reading be omitted at this time.
4. The Treasurer's Report was presented by the Assistant Treasurer in the absence of Treasurer Schoepf. Following a full discussion of the contents of this report, it was moved by D. W. Widmayer, seconded by A. J. Scanlan and unanimously agreed that the report be accepted and presented to the General meeting with a recommendation that it be approved.
5. Under matters of Old Business, the first subject introduced concerned the application of Manufacturas E.R.I.C.A. for associate membership. Correspondence between the Secretary and the applicant would seem to warrant extending associate membership status to the applicant. However, later advice from Mr. Carl Bindman suggested that further inquiry into the qualifications of the applicant be extended before final action is taken and Mr. Bindman further stated that he would be in Spain in the near future and would at that time make further inquiries. In light of this development, final action in this matter was deferred until more information is available.

Also, under old business, it was announced that the annual grant of \$3,000.00 will be paid Philadelphia Textile Institute on September 1, 1957, in accordance with the budget allowance covering this item.

6. Under the subject of New Business, President Bettis presented his recommendations for the establishment of a Fiber Committee whose membership would be made up entirely of mining company representatives. Tentative membership appointments were suggested and approval of this Board in the establishment of such a committee was sought. It was generally agreed that there is a

definite need for such a committee and approval was given for its establishment.

Mr. Bettes also discussed the establishment of a Fiber Evaluation Committee whose task it will be to endeavor to clarify, correlate and unify the thinking and activity in the field of fiber evaluation. As discussed under the Technical Committee report, there is today no standard practice of procedure universally accepted by those who may be utilizing one of the new classifiers such as the Bauer-McNett, the Clark or one of the other types. Until there is some standardization of procedure in these endeavors, an industry wide correlation will be impossible. It will be the purpose of this committee to endeavor to resolve the differences today prevalent.

The final subject under new business was the announcement that the next meeting of the Asbestos Textile Institute will be the annual meeting and it will be held at the Hotel Commodore, New York City, Thursday and Friday, September 5 and 6, 1957. A special effort will be made to interest our foreign members in having representation at these meetings along with top officials of our regular member companies.

7. There being no further business to come before this meeting, it was moved by Mr. Griffis, seconded by Mr. Widmayer and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

MS 004295

MT-003701

17C

MINUTES OF THE MEETING OF THE SALES PROMOTION COMMITTEE OF

THE ASBESTOS TEXTILE INSTITUTE

HELD AT THE WARWICK HOTEL, PHILADELPHIA, PENNSYLVANIA

JUNE 6TH AND JUNE 7TH, 1957

IN ATTENDANCE:

J. T. Griffis, Chairman
SOUTHERN ASBESTOS COMPANY

RAYBESTOS-MANHATTAN, INC.
J. A. Bettes, Jr.
J. A. Brown

JOHNS-MANVILLE CORPORATION
E. A. Schuman

AMERICAN ASBESTOS TEXTILE
A. J. Scanlan

SOUTHERN ASBESTOS COMPANY
J. T. Griffis
G. J. Harris

KEASBEY & MATTISON COMPANY
A. E. Whitfield
S. I. Harris

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey
A. R. Byrnes

Our meeting was opened by requesting Mr. E. A. Schuman to act as Chairman of a committee to see if it would be possible to get Asbestos included in the chart that McGraw-Hill publishes every two years. While this is termed a "Synthetic Fiber Table", it does include such items as cotton and wool, and we feel that Asbestos should also be included. With the help of Dr. Shaw the necessary information can be compiled and published in the next issue if we are successful. This will be quite helpful in comparing the many desirable features of Asbestos to the other synthetic and natural fibers included in this chart.

Next on our agenda was the studying of charts on temperatures. We expressed our appreciation to the Technical Committee for the help that they are giving sales in better presenting more factually the advantages of using Asbestos Products, and at the same time placing the proper Grades and Types of Asbestos Products to better uses.

The new A.T.I. Display has been receiving an excellent reception with all Branches of the Armed Forces. It was in Washington for some time and from there it was sent to Oklahoma City, and then to Boston, and it has now returned to Andrews Field in Washington. We have just received a request for a three months tour in the area of the Great Lakes Naval Training Station. While the Display is in that vicinity efforts will be made to see whether it can be placed in the Rossenwald Museum of Science at Jackson Park Illinois.

Note was taken on the splendid article written by Dr. Shaw and appearing in the Journal of Commerce on Wednesday, May 1, 1957 entitled, "Increased Supplies of Fiber Spur New Uses for Asbestos."

We acknowledge with thanks the Quebec Asbestos Mining Association article which was read relating to the availability of spinning fiber. The article

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MT-003702

Sales Promotion Committee

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is so good that we are requesting that it be sent by the Q.A.M.A. to the personal attention of the following:

Dr. Oliver Bowles
Bureau of Mines
Washington, D. C.

Mr. Walter Sinclair
Engineering Experiment Station
Annapolis, Maryland

Mr. Harry B. Sharp
Business & Defense Service Administration
Washington, D. C.

Mr. G. W. Josephson
Chairman, Task Committee for
Asbestos

Mr. R. W. Webster
Navy Department
Bureau of Ships
Washington, D. C.

U. S. Bureau of Mines
Washington, D. C.

Plus any other Departmental offices that it is felt wise and best to send this article.

Your Chairman is writing to Mr. I. C. Campbell requesting that this information be forwarded to the people listed above, and listing other suggestions. It will also be requested that extra copies of this article be sent to each member of the Sales Promotion Committee so that they may be distributed to the best advantage. It is suggested that since this article is so good and important, that even though we might duplicate our efforts it is better to give some person two copies than to take a chance in missing some person.

New labels are now being prepared embodying the A.T.I. symbol. These are to be used on letterheads as well as packages, identifying Member Company Products and the high standards of quality that we are maintaining. We expect these labels to be available by the September meeting.

We discussed in the Sales Promotion Committee the need for information with reference to the effect of Nuclear Radiation on Asbestos. What to do about it, and how much it will cost to get the information will be covered in other reports.

We are grateful for the letters from our Associate Members acknowledging their appreciation for the slides and pictures of the new Display.

This new Display has been so well accepted in various Departments of the Government that we have not had an opportunity to put it out for the general public. If you have suggestions about where this Display might be placed to good advantage please pass them along so that this exhibit might be properly booked.

Respectfully submitted,

J. T. Griffis
Chairman

MS 004297

MT-003703

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AIR HYGIENE AND MANUFACTURING COMMITTEE

June 6, 1957

IN ATTENDANCE:

B. W. Luttenberger - Raybestos-Manhattan, Inc.
A. E. May - Keasbey & Mattison Co.
J. L. Mitchell - Southern Asbestos Co.
W. C. Atkinson - Johns-Manville Corp.
John Cerny - Tallman-McCluskey Fabrics Co.
R. B. Smith - Raybestos-Manhattan, Inc.

The following items were taken up for discussion in a Round Table Type Atmosphere with all member companies participating.

1. Dust Collecting Equipment with particular emphasis on companies' experiences of conveying material out of their collector after it has been separated from the Dust Laden Air. Also under this item Air Velocities, Ratios of C.F.M.'s to Cloth Filtering Surfaces, Cloth Filtering Life and Reverse Air. Cleaning of Filters was discussed.
2. Delivering material from one department to another was discussed with an aim at reducing dust in these operations. Various methods being used are Conveyors, Box Trucks, Bags and Ceiling Condensors.
3. Various methods & places of oiling stock was discussed. It is generally agreed that if nothing else is gained oiling of stock does reduce dust.
4. Dust counts and procedures of taking dust counts was discussed. Some trouble spots were presented for general discussion and some suggestions were made for correcting these places. This item is to be continued at the next meeting with each member bringing their recent dust count results for comparison and discussion.
5. A review of Southern Asbestos Co.'s report "Analysis of Fibres as received from Bags" was held and the information received was thought to be very valuable. This item is also to be discussed at the next meeting.
6. Mr. W. C. Atkinson of Johns-Manville Corp. presented a report on various types of Vacuum Cleaners. A copy of this report may be secured directly from Mr. Atkinson.
7. Mr. A. E. May of Keasbey & Mattison Co. presented a report of Turner-Newhell's experience using a Greenburg-Smith Impinger for Dust Counting. These results were compared by Turner-Newhell with their Thermal Precipitator Dust Count results, since none of the members present have had any experience with the Thermal Precipitator method no comparisons are available. A copy of this report will be sent to all member companies for study and will be discussed further at the next meeting.

MT-003704

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MS 004298

AGENDA FOR NEXT MEETING

1. Mr. Hugh Jackson will give a report on Q.A.M.A.'s activities.
2. Continued study of Southern's Report "Analysis of Fibres as received from Bags".
3. Continued discussion of Dust Collecting Equipment and Removal of Dust at Machine Locations.
4. Comparison of Dust Counts, discussion of High Count Areas and Methods of Correction.
5. Discussion of Turner-Newhell's report.

Respectfully Submitted,
R. B. Smith, Acting Chairman

MT-003705

PRODUCED
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MS 004299

ATI-105

The Technical Committee held its second quarter meeting on June 6, 1957, at the Warwick Hotel, Philadelphia, Pa.

IN ATTENDANCE

RAYBESTOS-MANHATTAN, INC.
M. W. Oliver, Chairman
M. S. Maier

JOHNS-MANVILLE CORPORATION
J. L. Tucker
Ed Beale

KEASBEY & MATTISON COMPANY
R. L. Lanz
D. F. Quealy

SOUTHERN ASBESTOS COMPANY
J. D. McCluer

TALLMAN-McCLUSKEY COMPANY
T. C. McCluskey
T. C. McCluskey, Jr.

AMERICAN ASBESTOS TEXTILE CORP.
E. C. Cutler
G. H. Clark, Jr.

PHILADELPHIA TEXTILE INSTITUTE
M. C. Shaw

Since all members had received a copy of the minutes of the previous meeting, it was moved by Mr. J. L. Tucker, seconded by Mr. R. L. Lanz that the reading of the minutes be dispensed with at this time.

The first item on our agenda was committee reports. These reports were made as follows:

CLOTH COMMITTEE: Discussion was led by Mr. J. D. McCluer, Chairman of the Sub-Committee on Asbestos Cloth. The A.T.I. Cloth List which appeared as a part of the minutes of the meeting of our committee on March 7, 1957, is to be changed as follows:

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MT-003706

Dr. Shaw will conduct further tests to determine what procedure should be used for establishing "After Heat Tensile Values." The Sales Promotion Committee did not look favorably upon the suggestion of the Technical Committee, and, Dr. Shaw that Commercial and Underwriters grade cloths be tested at 400°F. for two hours, Grade A and Grade AA at 600°F. for two hours, and Grade AAA and Grade AAAA at 800°F for two hours. It was expressed by the Sales Promotion Committee's Chairman, Mr. J. T. Griffis, that more exact data for each style cloth in each grade at varying temperatures would be more valuable for them from a sales standpoint.

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investigation. It was mentioned that the personnel to serve on this committee from some of the member companies may not regularly attend the A.T.I. meetings. Each member company will be given the opportunity of having a representative on this committee when it is formed. Another comment was that possibly this committee should act as a separate committee and not as a part of the Technical Committee.

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M. S. Maier, Chairman	Raybestos-Manhattan, Inc.
J. D. McCluer	Southern Asbestos Company
J. L. Tucker	Johns-Manville Corporation
R. L. Lanz	Keasbey & Mattison Company

Mr. R. L. Lanz, Keasbey & Mattison Company, reported that tests have been conducted on short asbestos fibers for undesirable matter using the Elutriator. Additional tests are being conducted on textile fibers and results will be made available to other members of the A.T.I. when tests are complete.

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There being no further business to take up at this meeting, it was moved by Mr. E. C. Cutler, seconded by Mr. McCluer, that we adjourn.

Respectfully submitted,

Marion W. Oliver, Chairman

MT-003708

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MS 004302

MINUTES of the Meeting of the
Board of Governors of the
Asbestos Textile Institute held
June 6, 1957, in Philadelphia, Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

AMERICAN ASBESTOS TEXTILE CORP.
A. J. Scanlan

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey

KEASBEY & MATTISON CO.
D. W. Widmayer

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

SOUTHERN ASBESTOS CO.
J. T. Griffis

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

1. The meeting was called to order by President Bettles and it was noted that two member companies were not represented at this meeting, namely, Asten-Hill Manufacturing Co., and Johns-Manville Corp.
2. The opening portion of the meeting was devoted to committee reports presented by the chairmen of the three active committess covering the work of these groups while in session earlier on this date.

The first report was presented by R. B. Smith, Raybestos-Manhattan, Inc., in the absence of the regular chairman, D. R. Holmes, for the Air Hygiene and Manufacturing Committee. This committee in session earlier on this date considered a wide range of subjects related to problems of dust control and measurement and new manufacturing techniques. The full report as presented at the General meeting is attached as a part of the minutes of that meeting.

The Technical Committee report was presented by M. W. Oliver, Chairman of that Committee. During the course of the discussions held by this committee in meeting earlier on this date, the full agenda was covered and, in addition, two subjects of immediate interest and importance were introduced for consideration. The added subjects concerned 1) the evaluation of fibers on the basis of present day understandings, techniques and equipment, and 2) the effect of nuclear radiation upon asbestos and products containing asbestos. With regard to the subject of fiber evaluation it was pointed out by Mr. Bettles that there are a number of machines and techniques today available by means of which fiber dimension properties are attainable, however, each investigator using such a device usually has a method of procedure of his own or a technique unique to his own operations. In view of this, there is little, if any, possibility of correlation of results between laboratories or investigators. It is suggested that a sincere effort be exerted to correct these present inconsistencies and a special subcommittee is to be established to initiate work in this endeavor.

The second subject introduced deals with the subject of nuclear radiation and its effect upon asbestos and the products containing asbestos. Asbestos textiles are continually being applied and adopted to service under

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MS 004303

MT-003709

conditions where nuclear radiation will be encountered. The ability of these materials to withstand destruction under these conditions is presently unknown and it is now proposed that this committee exert efforts to explore this field. It was suggested that Dr. Shaw should determine where samples might be subjected to such radiation and what the expense for such tests might be. In addition, a thorough search of all available literature pertaining to this subject was suggested.

The full report covering all of the work carried out by the Technical Committee as presented at the General meeting is attached as a part of the minutes of that meeting.

The final committee report was presented by Mr. J. T. Griffis, Chairman of the Sales Promotion Committee. Many subjects of interest to the Institute membership were considered during the course of the discussions held earlier on this date. The new seal of quality program was further discussed and, in conformance with recommendations by the legal counsel, certain changes in the seal itself were agreed upon. The program has been tentatively set for inauguration on September 1, 1957. The full report of this committee's activities as presented at the General meeting is attached as a part of the minutes of that meeting.

3. Following the committee reports, the formal meeting of the Board of Governors was convened. The President offered the minutes of the last meeting for reading, however, since all members had received copies of these minutes and were familiar with the transactions, it was moved by D. W. Widmayer, seconded by J. T. Griffis and unanimously agreed that the reading be omitted at this time.
4. The Treasurer's Report was presented by the Assistant Treasurer in the absence of Treasurer Schoepf. Following a full discussion of the contents of this report, it was moved by D. W. Widmayer, seconded by A. J. Scanlan and unanimously agreed that the report be accepted and presented to the General meeting with a recommendation that it be approved.
5. Under matters of Old Business, the first subject introduced concerned the application of Manufacturas E.R.I.C.A. for associate membership. Correspondence between the Secretary and the applicant would seem to warrant extending associate membership status to the applicant. However, later advice from Mr. Carl Bindman suggested that further inquiry into the qualifications of the applicant be extended before final action is taken and Mr. Bindman further stated that he would be in Spain in the near future and would at that time make further inquiries. In light of this development, final action in this matter was deferred until more information is available.

Also, under old business, it was announced that the annual grant of \$3,000.00 will be paid Philadelphia Textile Institute on September 1, 1957, in accordance with the budget allowance covering this item.

6. Under the subject of New Business, President Bettles presented his recommendations for the establishment of a Fiber Committee whose membership would be made up entirely of mining company representatives. Tentative membership appointments were suggested and approval of this Board in the establishment of such a committee was sought. It was generally agreed that there is a

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MS 004304

MT-003710

definite need for such a committee and approval was given for its establishment.

Mr. Bettes also discussed the establishment of a Fiber Evaluation Committee whose task it will be to endeavor to clarify, correlate and unify the thinking and activity in the field of fiber evaluation. As discussed under the Technical Committee report, there is today no standard practice of procedure universally accepted by those who may be utilizing one of the new classifiers such as the Bauer-McNett, the Clark or one of the other types. Until there is some standardization of procedure in these endeavors, an industry wide correlation will be impossible. It will be the purpose of this committee to endeavor to resolve the differences today prevalent.

The final subject under new business was the announcement that the next meeting of the Asbestos Textile Institute will be the annual meeting and it will be held at the Hotel Commodore, New York City, Thursday and Friday, September 5 and 6, 1957. A special effort will be made to interest our foreign members in having representation at these meetings along with top officials of our regular member companies.

7. There being no further business to come before this meeting, it was moved by Mr. Griffis, seconded by Mr. Widmayer and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

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MS 004305

MT-003711

MINUTES of the General Meeting
of the Asbestos Textile Institute
held June 7, 1957 in Philadelphia,
Pa.

IN ATTENDANCE:

J. A. Bettles, Jr., President
RAYBESTOS-MANHATTAN, INC.

JOHNS-MANVILLE CORP.

W. S. Atkinson
Edw. Beale
J. L. Tucker

KEASBEY & MATTISON CO.

S. I. Harris
R. L. Lanz
A. E. May
R. R. Porter
A. E. Whitfield
D. W. Widmayer

RAYBESTOS-MANHATTAN, INC.

J. A. Brown
M. W. Oliver
R. B. Smith

SOUTHERN ASBESTOS CO.

J. T. Griffis
G. J. Harris
J. L. Mitchell

TALLMAN-McCLUSKEY FABRICS CO.

A. R. Byrnes
John Cerney
T. C. McCluskey
T. C. McCluskey, Jr.

ASBESTOS CORPORATION, LTD.

J. A. D. Marcotte

JOHNSON'S COMPANY, LTD.

A. W. G. Gibb

CAPE ASBESTOS COMPANY

R. E. Cryor

CADWALADER, WICKERSHAM & TAFT

M. I. Ruddock

ASBESTOS TEXTILE INSTITUTE

M. C. Shaw

1. The meeting was called to order by President Bettles and a brief address of welcome extended to all of those present.
2. For the first order of business, the President called for a reading of the Minutes of the last meeting, however, since all members had received copies of these minutes and were familiar with these transactions, it was moved by D. W. Widmayer, seconded by J. T. Griffis and unanimously agreed that the reading be omitted at this time.
3. The Treasurer's report was next presented with a recommendation by the Board of Governors that it be approved, based upon previous considerations. Following a review of this report it was moved by J. T. Griffis, seconded by J. A. Brown and unanimously agreed that the report be approved and attached as a part of the minutes of this meeting.
4. The President next called upon legal counsel, Mr. M. I. Ruddock, to address the meeting in regard to matters of legal interest to the Institute membership. Mr. Ruddock discussed in some detail the recent decision of the Supreme Court in the DuPont case and discussed in detail the application of Section 7 of the Clayton Act to the 23% stock ownership of DuPont in General Motors Corporation.

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MT-003712

5. The following segment of the meeting was devoted to the presentation of the formal committee reports by the committee chairmen or a designated chairman of a given committee for this occasion. Mr. R. B. Smith, Raybestos-Manhattan, Inc., spoke on behalf of the Air Hygiene and Manufacturing Committee; Mr. M. W. Oliver spoke for the Technical Committee and Mr. J. T. Griffis spoke for the Sales Promotion Committee. Each report presented a detailed account of the activities pursued by the several committees and set forth plans and programs for consideration at subsequent meetings. Copies of each report as presented are attached as a part of the minutes of this meeting.

During the discussion which followed the presentation of these reports, President Bettes cited the need for action toward the clarification of fiber evaluation techniques. There is presently much confusion in this area of study and it was suggested that the Asbestos Textile Institute might well perform a useful service by devoting some attention to the problems here involved. In view of this, it was moved by J. T. Griffis, seconded by T. C. McCluskey and unanimously agreed that "The President of the Institute should take the necessary steps to establish a Fiber Evaluation Committee within the Asbestos Textile Institute, drawing upon those members who may be associated with manufacturers or miners who are best qualified through experience to serve on such a committee".

Attention was also called to the fact that inquiries are now being received relative to the ability of asbestos and materials containing asbestos to withstand attack by nuclear radiation. There being little or no information available it was agreed that Dr. Shaw should investigate and determine possible locations where such tests might be conducted and what the cost for such tests would be.

6. Following the committee reports, the Fellowship Report was presented by Dr. Shaw. The Fellowship work during recent months has been devoted to high temperature investigations and the results of these studies are included in this report which is attached as a part of the minutes of this meeting.
7. Upon conclusion of the formal reports the meeting was opened for the discussion of matters of old business. At this time application for membership in the Institute were reviewed, however, there being no new developments there were no actions in this regard. There being no other matters of old business, subjects of new business were introduced for consideration.

President Bettes advised that the next meeting of the Institute will be the annual meeting for 1957 and will be held at the Hotel Commodore, New York City, September 5-6. A special effort will be made to have as many as possible of our Associate members represented on this occasion as well as top ranking officials of our Member companies.

On the occasion of this annual meeting it will be the task of the President to appoint new committee chairmen to serve the three active committees of the Institute for the ensuing two years and the cooperation of each of those approached for such duty was sought.

8. There being no further business to come before this meeting it was moved by J. T. Griffis, seconded by D. W. Widmayer and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

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MS 004307

MT-003713

Mr. J. G. Schoepf, Treasurer
Asbestos Textile Institute

Dear Mr. Schoepf:

In compliance with your request, examination was made of the books and records of the Asbestos Textile Institute under Dr. M. C. Shaw's supervision on Friday, August 30, 1957. The audit covers the period from June 4, 1957 to August 30, 1957 inclusive.

The Balance Sheet of the Asbestos Textile Institute at August 30, 1957 is set forth below:

<u>ASSETS</u>	
Total Cash in Bank (Schedule A)	\$15,278.87
Total Cash on H and	74.25
Postage on Hand	4.31
* Furniture & Equipment (nominal value)	1.00
	<u>\$15,358.43</u>
<u>LIABILITIES</u>	
Philadelphia Wage Tax	\$ 32.86
Net Worth	15,325.57
	<u>\$15,358.43</u>

* Other Asset items not included in above classification are shown in Schedule B.

The latest statement received from the depository (Chase-Manhattan Bank of New York) in which all funds of the Institute are kept, shows a balance of \$19,596.54 on July 31, 1957. The Petty Cash Fund totalling \$100.00 includes \$74.25 in cash and \$25.75 in vouchers. This fund was verified by actual count.

Schedule A: Showing a reconciliation of the Bank Balance at August 30, 1957:

Bank Balance per Latest Statement, July 31, 1957			\$19,596.54
Less: Checks Drawn Subsequent to July 31, 1957:			
<u>Check No.</u>	<u>Date</u>	<u>Payee</u>	<u>Amount</u>
1238	7/26/57	Philadelphia Textile Inst.	\$13.40
1239	7/26/57	J. J. Cogan	5.40
1240	7/26/57	Leeds & Northrup Co.	56.52
1241	8/5/57	A. Pomerantz & Company	20.96
1242	8/16/57	Philadelphia Textile Inst.	11.96
1243	8/20/57	Petty Cash	83.12
1244	8/21/57	A. H. Thomas Co.	1.05
1245	8/22/57	Walter Neibart	20.00
1246	8/27/57	A. Pomerantz Company	26.68
1247	8/29/57	M. C. Shaw	921.48
1248	8/29/57	1st Penna. Company	157.10
1249	8/29/57	Philadelphia Textile Inst.	3,000.00
BALANCE ON HAND IN BANK, AUGUST 30, 1957			<u>\$ 4,317.67</u> \$15,278.87

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Checks numbered 1207 to 1223 inclusive, which were outstanding at the last audit were examined and found to be in order. There were no bank deposits during this period under audit.

A reimbursement transfer in the amount of \$83.12 was made from the General Fund to the Petty Cash Fund.

Schedule B: Other Assets of Asbestos Textile Institute:

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Date Acquired</u>	<u>Purchase Cost</u>
(a)	7	Visual Aid Display Cases	January 1950	\$ 3,414.32
(b)	1	Suter Tensile Tester	August 1947	726.00
(c)	1	Heat Aging Furnace	April 1951	849.98
(d)	1	Bausch & Lomb Triple Purpose Micro-Projector	May 1954	94.00
(e)	1	Brabender Moisture Tester	September 1954	765.00
(f)	1	Federal Thickness Gage	January 1947	50.50
(g)	1	Mapes Magnetic Analyzer	April 1953	100.00
(h)	1	Scott Twist Tester	December 1947	126.50
(j)		Office Furniture & Equipment	September 1954	757.50
(k)	1	Temco Muffleoven & Control	October 1954	161.00
(l)	1	Cenco Balance	October 1954	32.25
(m)	1	Electric Stopclock	October 1954	50.00
(n)	1	Abradoflex	January 1956	1,175.00
(o)	1	Exhibit - 4 Sections	March 1957	5,000.00
				<u>\$ 13,302.05</u>

Yours very truly

S. C. Gehman, Auditor

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MT-003715

ASBESTOS TEXTILE INSTITUTE
Treasurer's Report
August 30, 1957

Balance in Various Funds - June 3, 1957:

Fellowship Fund	\$ 17,401.57	
General Fund	5,586.86	
Petty Cash Fund	92.07	\$ 23,080.50

Receipts:

NONE

Transfers:

To Petty Cash from General Fund	\$ 83.12	\$ 83.12
		\$ 23,163.62

Disbursements:Fellowship Fund:

Fellowship Salary	\$ 2,399.99	
Misc. Lab. Expense	119.93	
Fellowship Grant	3,000.00	\$ 5,519.92

General Fund:

Secretary's Salary	\$ 749.99	
Secretary's Travel	24.48	
Meeting Expense	486.86	
Legal Expense	535.82	
Audit Expense	3.00	
Stenographic Expense	135.00	
Visual Aid Expense	13.75	
Misc. Office Expense	157.62	
Petty Cash Transfer	83.12	\$ 2,189.64

Petty Cash Fund:

Misc. Office Expense	\$ 87.57	
Meeting Expense	13.37	\$ 100.94
		\$ 7,810.50

Balance on Hand - August 30, 1957	\$ 15,353.12
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Balance in Various Funds - August 30, 1957:

Fellowship Fund	\$ 11,881.65	
General Fund	3,397.22	
Petty Cash Fund	74.25	
	\$ 15,353.12	

Respectfully submitted,

J. G. Schoepf, Treasurer

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MS 004310

MT-003716

ASBESTOS TEXTILE INSTITUTE

GENERAL MEETING

Hotel Commodore

New York, N. Y.

September 5-6, 1957

ROSTER ASBESTOS TEXTILE INSTITUTE

MEMBER COMPANIES

AMERICAN ASBESTOS TEXTILE CORP.

Norristown, Pa.

ASTEN-HILL MANUFACTURING COMPANY

Philadelphia 29, Pa.

JOHNS-MANVILLE CORPORATION

New York 16, N. Y.

KEASBEY & MATTISON COMPANY

Ambler, Pa.

RAYBESTOS-MANHATTAN, INC.

Manheim, Pa.

SOUTHERN ASBESTOS CORP. NY

Charlotte 1, N. C.

TALLMAN-McCLUSKEY FABRICS CO.

St. Louis, Mo.

ASSOCIATE MEMBERS

ASBESTOS CORPORATION, LTD.

Thetford Mines, Quebec, Canada

BELL ASBESTOS MINES LTD.

Thetford Mines, Quebec, Canada

BRITISH BELTING AND ASBESTOS, LTD.

Cleckheaton, Yorkshire, England

THE CAPE ASBESTOS CORP. NY, LTD.

London, W.1, England

GLASSLAR ASBESTOS CORP., LTD.

Toronto, Canada

ENGLISH ASBESTOS COMPANY, LTD.

Bristol 4, England

JOHNSON'S COMP. NY, LTD.

Thetford Mines, Quebec, Canada

SMALL & P. P. KES, LTD.

Manchester 9, England

SOCIETE ANONYME FRANCAISE DU FERODO

Paris, France

MS 004311

MT-003717

25A

MEETING SCHEDULE

Thursday, September 5, 1957:
Committee Meetings:

Technical Committee -- 10:00 A.M. -- Room E

Air Hygiene & Mfg. Committee -- 10:00 A.M. -- Room F

Sales Promotion Committee -- 10:00 A.M. -- Secretary's Suite

Board of Governors:

Meeting -- 6:00 P.M. -- Secretary's Suite

Friday, September 6, 1957:

General Meeting -- 10:00 A.M. -- Room C

Luncheon -- 1:00 P.M. -- Room B

GENERAL MEETING AGENDA

Call to Order by the President -- 10:00 A.M.

Minutes of Last Meeting

Treasurer's Report

Sales Promotion Committee Report

Technical Committee Report

Air Hygiene & Mfg. Committee Report

Legal Counsel Report

Secretary Report

Fellowship Report

Old Business

New Business

Adjournment

Luncheon

OFFICERS

President J. A. Bettes, Jr.
Vice President J. T. Griffis
Treasurer J. G. Schoepf
Secretary M. C. Shaw

BOARD OF GOVERNORS

J. A. Bettes, Jr. R. S. Tallman
A. J. Scanlan E. H. Wells
J. G. Schoepf D. W. Widmayer

LEGAL COUNSEL

M. I. Ruddock
Cadwalader, Wickersham & Taft

COMMITTEES

Sales Promotion: Air Hygiene & Mfg.
J. T. Griffis, Chair. D. R. Holmes, Chair.
J. A. Brown, Jr. H. M. Jackson
A. R. Byrnes A. E. May
G. J. Harris J. L. Mitchell
S. I. Harris T. C. McCluskey
W. S. Hough R. B. Smith
A. J. Scanlan J. W. Weber
J. G. Schoepf B. W. Luttenberger
E. A. Schuman
A. E. Whitfield

Technical:

M. W. Oliver, Chair.
D. V. Asten
Edw. Beale
E. C. Cutler
R. L. Lanz
M. S. Mailer
J. D. McCluer
J. L. Tucker

Fiber:

J. A. D. Marcotte, Chair.
J. D. Christian
R. E. Cryor
A. W. G. Gibb
J. C. Kelleher
F. P. Smith

MS 004312

MT-003718

MINUTES OF THE MEETING OF THE SALES PROMOTION COMMITTEE OFTHE ASBESTOS TEXTILE INSTITUTEHELD AT THE COMMODEORE HOTEL NEW YORK, NEW YORKSEPTEMBER 5TH AND 6TH 1957

IN ATTENDANCE:

J. T. Griffis, Chairman
SOUTHERN ASBESTOS COMPANY

RAYBESTOS-MANHATTAN, INC.

J. A. Bettes
J. A. Brown, Jr.

JOHNS-MANVILLE CORPORATION

E. A. Schuman
W. S. Hough

AMERICAN ASBESTOS TEXTILE CORP.

A. J. Scanlan

SOUTHERN ASBESTOS COMPANY

J. T. Griffis
G. J. Harris

KEASBEY & MATTISON COMPANY

A. E. Whitfield
S. I. Harris

TALLMAN-McCLUSKEY FABRICS CO.

R. S. Tallman
A. R. Byrnes

With full attendance from each member company our discussions got underway by requesting Mr. Schuman to report on success he may have had on getting Asbestos listed on the Synthetic Fibre Chart as published by Textile World Magazine. Mr. Schuman had talked to Mr. Davidson, and only if we would go into considerable detail and write up a chart on all high heat resisting fibres could we get consideration. Whereas this was not our initial thought, we were interested to have Asbestos in more detail on this chart inasmuch as it had been mentioned generally but not explicitly, as had other fibres. For the time being we will be unable to get anything accomplished toward this end.

Next we covered the subject of old displays as well as new ones. Our old, small displays are serving useful purposes at various colleges throughout the United States and our new display has been well received, and still is in use by the Navy Department. This first started with the Navy in Washington where it was placed on the third floor of the Navy Building in front of Admiral Mumma Office (Chief of the Bureau of Ships). From there it went to the Main lobby of the Department of Commerce Building and the Navy liked the display so much they asked for it to be used in their Technological Shows, principally set up for small business. This show carried the display first to Boston, then to Tulsa Oklahoma, and from there to the Great Lakes, Illinois. The next request we have for the new and large display is from the Society of Plastics Industry which will have their show February 3rd through the 7th, 1958 at the Edgewater Beach Hotel, Chicago, Illinois. The Sales Promotion Committee has authorized Jack Brown to inform these people that we will be delighted for them to have this display at that time.

Between October 3rd and February 3rd are open dates for the display, however, Mr. Marcotte thought this could be used to an advantage in Canada during this interval and we are awaiting any advice or instructions that may come from him on this subject.

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MS 004313

Next on our agenda was the subject of a useful label which we have been working on for some time in connection with the Asbestos Textile Institute Insignia to be used as we may desire on our letterheads as well as our packaging. This has been worked out and our Legal Advisor has written up the necessary certification agreement for each Company to use this label, and these will be distributed by Dr. Shaw of the Asbestos Textile Institute to members in the near future.

Your Sales Promotion Committee has been working on everything possible to better advertise and better stimulate the sale of Asbestos Textiles because we are confronted with a growing industry of glass textile products and a constant lowering of their prices. To better illustrate the following facts we have taken from the annual report of 1956 of Owens-Corning Fiberglas as follows:

"Sales of Glass Textile Products"

1952 - 31.3 Million Dollars
1953 - 33.3 Million Dollars
1954 - 35.0 Million Dollars
1955 - 41.6 Million Dollars
1956 - 48.2 Million Dollars

This they state, is their sales in textiles including strands, yarn, coated yarns, mats and rovings. Their total overall sales for 1956 was \$174,000,000.

With greater production and lower prices constantly being offered Asbestos Textile buyers, it makes a rather confusing situation especially since they are growing bigger and lowering prices whereas our volume is constantly growing smaller and constantly we are being confronted with higher prices for Asbestos Fibres. There was just an increase announced prior to this report of 5% on fibre plus paying in Canadian funds which at this writing is roughly 5 to 6 percent more, adding up to a total of 10% to 11% increase effective October 1st we will have to pay for Asbestos further widening the gap and cutting down the possibilities of a broad use of Asbestos forcing us into a narrower field each time the gap is so broadened between the price of an Asbestos product as compared to glass as well as other synthetics. This information is brought to you as a matter of information and thought, with the hopes that we still go forward in an effort to develop more products from Asbestos that will enable us to open up fields in higher temperatures where glass cannot stand, but even at this point we have a new synthetic now produced in a small way, Fiberfrax, which will stand even higher temperatures so they claim than will Asbestos.

Asbestos has been on the critical list for quite some time, and we now learn that it has been removed from the critical list and we hope that this will be of some service to us in and around Washington.

This committee, working closely with the Technical Committee, is anxiously awaiting other developments of anything that may be available for our use in connection with the program on Nuclear Radiation, and how it affects Asbestos in relation to other products.

Nothing further to come before us, the meeting was adjourned.

Respectfully submitted

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J. T. Griffis,
Chairman, Sales Promotion Committee

MINUTES of the Meeting of the
Board of Governors of the Asbestos
Textile Institute held September 5,
1957 at Hotel Commodore, New
York, N. Y.

IN ATTENDANCE:

J. A. Bettes, President
RAYBESTOS-MANHATTAN, INC.

AMERICAN ASBESTOS TEXTILE CORP.
A. J. Scanlan

SOUTHERN ASBESTOS COMPANY
J. T. Griffis

JOHNS-MANVILLE CORP.
E. H. Wells
L. R. Hoff

TALLMAN-McCLUSKEY FABRICS CO.
R. S. Tallman
T. C. McCluskey

KEASBEY & MATTISON CO.
D. W. Widmayer

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

1. The meeting was called to order by President Bettes and the roll call revealed that all duly elected members were in attendance with these exceptions: 1) Mr. E. H. Wells, representing Johns-Manville Corporation in the absence of F. J. Wakem, retired, and 2) Mr. J. G. Schoepf, Asten-Hill Manufacturing Co., absent.
2. The first matters of business taken up were the committee reports submitted by the chairmen of the several committees.
 - a) Technical Committee. The report for this committee was given by Mr. M. W. Oliver, Chairman, with a supplemental report by Dr. M. S. Maier covering proposals for work in nuclear radiation. The work pursued and discussed by the committee in meeting on this date was reviewed by Mr. Oliver and the proposals of the group with regard to nuclear radiation studies were outlined by Dr. Maier. The full reports as presented at the General meeting are attached as a part of the minutes of that meeting.
 - b) The Air Hygiene Committee report was presented by Mr. H. M. Jackson in the absence of Mr. D. R. Holmes, Chairman. Among the subjects of discussion pursued during the course of the committee meeting held earlier on this date one of the most thoroughly discussed subjects related to the report issued by E. J. F. Hodgett, Turner-Newall Co., entitled "Estimation of the Dust Hazard in the Factory using the Greenburgh-Smith Impinger". The results of this discussion and the decisions reached regarding other matters of interest to this committee are included in the formal report as presented in the general meeting and which is attached as a part of the minutes of that meeting.
 - c) The final committee report was that of the Sales Promotion Committee as presented by Chairman J. T. Griffis. Many subjects were considered during the course of the committee meeting held earlier on this date and all matters are covered in the full report, however, perhaps the most important subject

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considered was the proposed seal of quality. Following a thorough discussion in this regard it was finally agreed upon by the committee that a recommendation for its approval as an activity of the Institute be presented to the Board of Governors for consideration and action. On the basis of this recommendation and following a discussion in this regard by Mr. Ruddock and all of the Board of Governors members in attendance, the question--"Shall the seal of approval program and the conditions and specifications related thereto become an active program of the Institute"--was submitted for voting action. The results of the voting were as follows:

For Approval: D. W. Widmayer, J. T. Griffis, A. J. Scanlan,
R. S. Tallman and J. A. Bettes.

Against Approval: E. H. Wells.

On the basis of the voting it was agreed that the seal of quality program should be initiated as an A.T.I. function. Mr. Ruddock presented a tentative "Certification Agreement" which was reviewed and, in certain sections, revisions suggested. A revised agreement will be submitted for approval prior to the initiation of the program.

The full report of this committee as presented at the general meeting is attached as a part of the minutes of the General meeting.

3. The next order of business for this meeting was the presentation of the minutes of the last meeting for reading. However, since all members had received copies of those minutes and were familiar with the matters considered on that occasion, it was moved by Mr. Widmayer, seconded by Mr. Scanlan and unanimously agreed that the reading be omitted.
4. The Treasurer's report was next presented by the Assistant Treasurer, Dr. Shaw, in the absence of Mr. J. G. Schoepf, Treasurer. Following a review of this report it was moved by Mr. Griffis, seconded by Mr. Wells and unanimously agreed that the report be presented in General meeting with the recommendation that it be approved.
5. Under subjects of new business several matters of importance were introduced.

a) President Bettes advised the meeting that Asten-Hill Mfg. Company through Mr. J. G. Schoepf had presented an application for resignation from the Institute, such action to become effective with the expiration of the current membership year. In light of this application it was unanimously agreed that in view of the great aid and assistance offered the Institute by both Mr. J. G. Schoepf and Mr. D. R. Holmes during their membership in the Institute, a resolution expressing regrets in regard to the action of resignation and appreciation for their aid and assistance be forwarded to them. Such a resolution will be prepared and read by Mr. Ruddock in General meeting with copies being forwarded to Asten-Hill Manufacturing Company.

b) This being the annual meeting it is the occasion for the election of members to serve on the Board of Governors and the officers of the Institute and the appointment of committee chairmen. This board was advised that, according to custom, the committee chairmen, having served terms of two years, would be replaced at this meeting. The following men have been

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nominated to serve the various committees as chairmen for the next two years.

Air Hygiene & Manufacturing Committee -- A. E. May
Sales Promotion Committee ----- J. A. Brown, Jr.
Technical Committee ----- Edw. Beale
Fiber Committee ----- J. A. D. Marcotte

c) President Bettes advised that the budget for the year 1958 would be acted upon at the next meeting and, in view of this, appointed the following men to serve on the budget committee with the responsibility of preparing recommendations for consideration at the next general meeting. The following constitute the committee membership.

Mr. T. C. McCluskey, Treasurer, Chairman
Mr. E. H. Wells
Mr. D. W. Widmayer
Mr. J. A. Bettes, President

6. There being no further matters for consideration at this meeting it was moved by J. T. Griffis, seconded by A. J. Scanlan and unanimously approved that the meeting be adjourned.

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MT-003723

Assistant Treasurer's Report
to
Budget Committee

The following recapitulation sets forth the accounts of the financial status of the Asbestos Textile Institute as of November 10, 1957.

Bank and Fund Accounts.

Bank Balance - January 1, 1957 \$ 7,108.14

Receipts:

Assessments - Fellowship	\$ 14,375.00	
Assessments - General	10,125.00	
Handbook Sales	<u>25.00</u>	\$ 24,525.50
		\$ 31,633.64

Expenditures:

\$ 20,380.14

Bank Balance - November 10, 1957

\$ 11,253.50

Balance in Various Funds - November 10, 1957

Fellowship Fund	\$ 10,229.34
General Fund	1,006.16
Petty Cash Fund	<u>18.00</u>
	\$ 11,253.50

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MS 004318

Account Breakdown

<u>General Fund</u>	<u>Actual Expense</u>	<u>Budget</u>	<u>Probable Expense</u>
Secretary Salary	\$ 2,519.52	\$ 3,050.00	\$ 3,050.00
Secretary Travel	186.11	300.00	200.00
Office Expense	1,160.64	1,200.00	1,200.00
Legal Expense	1,500.00	2,000.00	2,000.00
Legal Travel	80.90	125.00	125.00
Audit Expense	308.10	315.00	315.00
Meeting Expense	1,676.31	1,600.00	2,100.00
Visual Aid Expense	53.90	60.00	60.00
Incidentals		225.00	991.55
New Exhibit Expense	906.55		
New Label Expense	85.00		
	\$ 8,477.06	\$ 8,875.00	\$ 10,366.55

Fellowship Fund

Fellowship Salary	\$ 8,058.56	\$ 9,725.00	\$ 9,725.00
Fellowship Grant	3,000.00	3,000.00	3,000.00
Laboratory Assistant	394.00	600.00	450.00
Laboratory Expense	142.27	300.00	150.00
High Temperature Furnace	308.25	500.00	310.00
	\$ 11,903.00	\$ 14,125.00	\$ 13,635.00

Total Actual Expenditures to November 10, 1957 \$ 20,380.14

Summary

It will be observed that the probable actual General Fund expenditure for 1957 will exceed the 1957 budget by approximately \$1,166.00. These excessive expenditures consist of 1) \$500.00 for meeting expenses, 2) \$766.00 for incidentals over and above the \$225.00 set up for such expense, represented by \$906.00 for a New Exhibit Expense and \$85.00 for the New Seal of Quality Expense. It is to be noted that the Secretary Travel expense will be \$100.00 less than budgeted and that this figure when added to the \$1,166.00 equals the \$1,266.00 total of the net over-expenditures.

We have endeavored, during the past few years, to conduct our meetings in such a manner that the total expenses would not exceed \$400.00 per meeting. However, with the general increase in all of the expenses connected with our meetings, our yearly total has necessarily increased.

The New Exhibit and Seal of Quality expenses which account for the greater part of our over-expenditure were approved expenses by vote in General meeting during the year, however these expenses were not anticipated at the time the 1957 budget was adopted and they were not therefore included in that draft.

The Fellowship Fund Account is in reasonable accord with the budget.

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On the basis of anticipated expenditures for 1957 it would seem that the budget which was set up for that year to cover regular expenses could again be adopted for 1958, with the exception of the Meeting Expense account. In this latter case it would seem reasonable that the amount should be increased from \$400.00 per meeting to \$500.00 per meeting or to \$2,000.00 for the yearly total.

In addition, three new accounts should perhaps be established for the coming year, namely, 1) Nuclear studies, 2) New Exhibit and 3) Seal of Quality. In view of this possibility, the budget here proposed for consideration sets up these three new accounts and a figure is proposed however, the amount should be thoroughly discussed and established on the basis of intentions as to the extent of participation in the subject projects.

On the basis of the facts here presented the following budget for 1958 if offered:

General Fund:

Secretary's Salary	\$ 3,050.00
Secretary's Travel	200.00
Office Expense	1,200.00
Legal Expense	2,000.00
Legal Travel	125.00
Audit Expense	315.00
Meeting Expense	2,000.00
	8,890.00

Fellowship Fund:

Fellowship Salary	\$ 9,725.00
Fellowship Grant	3,000.00
Laboratory Assistance	600.00
Laboratory Expense	300.00
	13,625.00

General Fund: (Added)

Nuclear Studies	\$ 1,000.00
New Exhibit Expense	500.00
Seal of Quality Expense	500.00
	\$ 2,000.00
 TOTAL	 \$ 24,515.00

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MS 004320

Secretary's Report

With the close of this meeting the Asbestos Textile Institute will be completing 13 years of existence through some very trying and exciting times. Mr. Hoff, Mr. Teubner, Mr. Scanlan and Mr. Rohrbach who are with us today were among those who attended that first organizational meeting held here in New York on November 16, 1944.

At that organizational meeting a book of rules called the Constitution and By-Laws was adopted under which the Institute was to operate. I would lay a wager that most of those here assembled have never read this work and know very little regarding its contents. This being so I would like to read a brief excerpt from these articles for your edification.

I, of course, was not a part of this organization in the very beginning, being engaged as research fellow only in 1946 and assuming the duties as Secretary in 1948, however, during my tenure of office, covering eleven years, I have seen many of these aims and purposes brought into being.

The Institute has indeed been fortunate in having had men of integrity, high ideals and vision constituting its founding group as well as those who have been called upon to serve the association as its officers and leaders down through the years. I personally have considered it an honor and privilege to have been given the opportunity to serve and work with each and every one of them.

On the occasion of these annual meetings we have, during the past few years, been endeavoring to honor and give recognition to the officials of those manufacturers who may be interested in Asbestos textiles either from the standpoint of a fiber producer or a textile manufacturer. We are indeed pleased to so recognize officials from both segments of our industry with us today.

I would assure you that you are each welcome to attend any or all of our regular quarterly meetings and would hope that you might feel free to avail yourself of any of our meeting facilities at any time that you might have something to present that would be of interest to our association, be it either of a suggestive or critical vien.

It is my purpose at this time to present my regular Secretary's report which I usually confine to a very few words over a very few minutes.

The following items are of interest to the membership.

1. The Bureau of the Budget has announced that the new Standard Industrial Classification Manual is now available at the Government Printing Office, Washington 25, D. C., at a cost of \$2.50. This book of modernized statistical tabulations, which has just been issued by the Bureau of the Budget, reflects the development in the U. S. economy during the last ten years.

This volume contains a simplified classification of American industrial establishments by their activity for Federal statistical purposes. Every industry is divided into groups and these in turn are broken down into divisions. The major groups of industries are the, by size and value, sub-divided into three and four digit designations. There are over 970 industries classified in the book.

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2. During recent months we have been approached by the Society of the Plastics Industry, Inc., to cooperate with the Reinforced Plastics Division of that organization in their efforts to establish technical information and data related to the use of asbestos textiles as a laminate reinforcing material and to promote the use of asbestos textiles for such purposes. We have agreed to cooperate in every possible way and will engage in proposed meetings and discussions as they are called.

3. The next meeting of the Asbestos Textile Institute is scheduled to be held at the Warwick Hotel in Philadelphia on December 5 and 6, 1957.

Respectfully submitted,

Myril C. Shaw, Secretary

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MS 004322

ASBESTOS TEXTILE INSTITUTE
Treasurer's Report
December 2, 1957

Balance in Various Funds - August 30, 1957:

Fellowship Fund	\$ 11,881.65	
General Fund	3,397.22	
Petty Cash Fund	<u>74.25</u>	\$ 15,353.12

Receipts:
NONE

Transfers:

To Petty Cash from General Fund	\$ 183.19	\$ 183.19
		<u>\$ 15,536.31</u>

Disbursements:

Fellowship Fund:

Fellowship Salary	\$ 2,400.00	
Misc. Lab. Expenses	<u>40.00</u>	\$ 2,440.00

General Fund:

Secretary's Salary	\$ 750.00	
Secretary's Travel	120.27	
Meeting Expense	680.51	
Legal Expense	545.08	
Audit Expense	302.10	
Stenographic	135.00	
Visual Aid Expense	6.00	
Misc. Office Expense	67.53	
Petty Cash Transfer	<u>183.19</u>	\$ 2,789.68

Petty Cash Fund:

Misc. Office Expense	\$ 61.44	
Lab. Assistance	<u>120.00</u>	\$ 181.44
		<u>\$ 5,411.12</u>

Balance on Hand - December 2, 1957	\$ 10,125.19
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Balance in Various Funds - December 2, 1957:

Fellowship Fund	\$ 9,441.65
General Fund	607.54
Petty Cash Fund	<u>76.00</u>
	\$ 10,125.19

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Respectfully submitted,

T. C. McCluskey

MS 004323

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Ambler, Pa.
December 3, 1957

ATI-105

Mr. T. C. McCluskey, Treasurer
Asbestos Textile Institute

Dear Mr. McCluskey:

In compliance with your request, examination was made of the books and records of the Asbestos Textile Institute under Dr. H. C. Shaw's supervision on Monday, December 2, 1957. The audit covers the period from August 31, 1957 to December 2, 1957 inclusive.

The Balance Sheet of the Asbestos Textile Institute at December 2, 1957 is set forth below:

ASSETS

Total Cash in Bank (Schedule A)	\$ 10,049.19
Total Cash on Hand	76.00
Postage on Hand	2.08
* Furniture & Equipment (nominal value)	1.00
	<u>\$ 10,128.27</u>

LIABILITIES

Philadelphia Wage Tax	\$ 32.86
Net Worth	<u>10,095.41</u>
	<u>\$ 10,128.27</u>

* Other Asset items not included in above classification are shown in Schedule B.

The latest statement received from the depository (Chase-Manhattan Bank of New York) in which all funds of the Institute are kept, shows a balance of \$11,273.03 on October 30, 1957. The Petty Cash Fund totalling \$100.00 includes \$76.00 in cash and \$24.00 in vouchers. This fund was verified by actual count.

Schedule A: Showing a reconciliation of the Bank Balance at December 2, 1957:

Bank Balance per Latest Statement, October 30, 1957	\$11,273.03
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Less: Checks Drawn Subsequent to October 30, 1957:

<u>Check No.</u>	<u>Date</u>	<u>Payee</u>	<u>Amount</u>
1268	11/1/57	Myril C. Shaw	\$ 19.53
1269	11/15/57	Petty Cash	97.95
1270	11/18/57	Philadelphia Textile Inst.	12.12
1271	11/29/57	A. Pomerantz	15.66
1272	11/29/57	Myril C. Shaw	921.48
1273	11/29/57	First Pennsylvania Company	157.10
			<u>\$ 1,223.84</u>
BALANCE ON HAND IN BANK, DECEMBER 2, 1957			\$10,049.19

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Checks numbered 1238 to 1249 inclusive, which were outstanding at the last audit were examined and found to be in order. There were no bank deposits during this period under audit.

A reimbursement transfer in the amount of \$183.19 was made from the General Fund to the Petty Cash Fund.

Schedule B: Other Assets of Asbestos Textile Institute:

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Date Acquired</u>	<u>Purchase Cost</u>
(a)	7	Visual Aid Display Cases	January 1950	\$ 13,414.32
(b)	1	Suter Tensile Tester	August 1947	726.00
(c)	1	Heat Aging Furnace	April 1951	849.98
(d)	1	Bausch & Lomb Triple Purpose Micro-Projector	May 1954	94.00
(e)	1	Brabender Moisture Tester	September 1954	765.00
(f)	1	Federal Thickness Gage	January 1947	50.50
(g)	1	Mapes Magnetic Analyzer	April 1953	100.00
(h)	1	Scott Twist Tester	December 1947	126.50
(j)		Office Furniture & Equipment	September 1954	757.50
(k)	1	Temco Muffleoven & Control	October 1954	161.00
(l)	1	Cenco Balance	October 1954	32.25
(m)	1	Electric Stopclock	October 1954	50.00
(n)	1	Abradoflex	January 1956	1,175.00
(o)	1	Exhibit - 4 Sections	March 1957	5,000.00
				<u>\$ 13,302.05</u>

Very truly yours,

S. C. Gehman, Auditor

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MS 004325

MT-003731

SUBJECT: Minutes of the Asbestos Textile Institute Air Hygiene and Manufacturing Committee.

IN ATTENDANCE:

W. C. Atkinson	Johns-Manville Corporation
H. M. Jackson	Johns-Manville Corporation
A. E. May	Keasbey & Mattison Company
J. L. Mitchell	Southern Asbestos Corporation
H. E. Palm	Raybestos-Manhattan, Inc.
R. B. Smith	Raybestos-Manhattan, Inc.
J. W. Weber	American Asbestos Textile Corp.

The following items were discussed at a round table type of discussion:

- I. The report, "An Epidemiological Study of Lung Cancer in Asbestos Miners" which was written by the Industrial Hygiene Foundation and sponsored by Quebec Asbestos Mining Association, was discussed in the committee. The following extracts taken from the "summary and conclusions", page 649 of the report are self explanatory:

"Interest in the question of whether there may be an association between lung cancer and exposure to asbestos has been evident since the report in 1935 by Lynch and Smith in a case in which lung cancer and asbestosis were both present. As additional cases in which the two diseases coexisted were reported, a casual association appears to have been gradually accepted by many authors, although some workers considered the correlation to be inconclusive. The present study was undertaken in an effort to determine whether a casual relationship did, in fact, exist between exposure to asbestos and cancer of the lung."

"Comparison of the experience among the asbestos miners with that of various segments of the unexposed, comparable population shows that the observed number of deaths among the miners is not significantly greater than the expected number. The rate for proved cases among the asbestos miners (25.3 per 100,000) compares well with the rate of 22.5 per 100,000 for the rest of the Province, and 20.8 per 100,000 for adult males throughout the Dominion of Canada. It also compares satisfactorily with rates of 37.2, 25.3 and 28.0 obtained from various sources of adult males in the United States. Finally, in this matter of comparison, it would appear that the world-wide experience of persons exposed to asbestos dust is not worse with respect to lung cancer than that of the unexposed population."

Discussion of the report in the Committee centered on the following items:

1. All of the known and suspected deaths due to lung cancer were from the group of those that smoked.
2. The number of lung cancer deaths by exposure category:

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MS 004326

Exposure Category	Number of Persons	Number of Deaths	
		Proved	Total
I	2,031	4	4
II	2,150	3	4
III	1,772	2	4
Unknown	5	0	0
TOTALS	5,958	9	12

The exposure categories were established by a group of doctors and operators who made group I a minimum exposure, group II moderate, and group III heavy.

The committee members plan on giving copies of this study to their plant physicians and officials.

II. Discussion on Dust

- a. One member company reports that a compensation award was made to a worker in a non-toxic area because visible dust was present. This company has established the policy that all areas in which the fiber counts are over 1 million particles per cubic foot must be eliminated as well as areas in which the dust count is over 5 m.p.p.c.f.
- b. One of the committee members reported that one half of their indirect labor is on the incentive pay plan, also they have a clean-up crew whose duty is to clean all production machinery throughout the plant.
- c. Mr. Mitchell brought photographs of the card, loom and tape loom hoods. The hoods on the cards and looms have been in use for some time and are very satisfactory. The dust counts in the areas of the hooded machines are well below the minimum allowable of 5 m.p.p.c.f. The tape loom hood is an experimental hood on which more work will be done.
- d. One member of the committee reported that they have installed scrapper conveyors under their cards that move the droppings to a suction nozzle located at one end of the conveyor.

III. Compensation Cases

An award was made to a worker who had not worked in a dusty area for eight years, who was now employed in a dust free area but walked through a fiber preparation department and worked with material containing asbestos, one hour a week. The worker was operated upon and cancerous turnover of the spine was found. An award was given to the worker based on asbestosis.

Awards have been made to former coal miners who become sick in their present employment. The present employer is liable even though the sickness was contracted in the previous occupation.

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MS 004327

The above cases emphasize the necessity of thorough pre-employment and periodical medical examinations.

It was agreed that the following subjects would be discussed at the next meeting:

- a. Dust control in fiber preparation
- b. Dust control at the card condensers
- c. Dust control at the cards and looms

Respectfully submitted,

A. E. May,
Chairman

MT-003734

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MS 004328

Minutes of the Sales Promotion Committee held December 5, 1957.

With full representation from each member company in attendance the first item of business pursued concerned the Asbestos Textile Institute Seal of Quality Program. There was considerable discussion regarding this program and it was the consensus of opinion of the member companies that, as originally written, this program might become so complicated that it would not be workable. The question of proprietary cloths was brought up and it was questionable whether or not A.T.I. approval could be given for a cloth which was manufactured solely by one member company. Also the question of presenting all the cloths which were manufactured by every member company would present a tremendous time consuming program on the part of Dr. Shaw. It was decided that this subject should be brought up in a general meeting in order to get the opinion of the Technical Committee and also any representatives of the member companies in attendance.

The next subject which was discussed was the matter of the new Asbestos Textile Institute display. Mr. Andrew Whitfield of Keasbey & Mattison Company reported that he was completing arrangements to have this display set up at the University of Pennsylvania Engineering School, and the Chairman of the Sales Promotion Committee asked every member to give him suggestions as to future locations which would enable us to set up a schedule for a protracted period of time where this display might best be used.

The next subject discussed was the advertising of certain glove manufacturers as to the heat resistance of leather gloves. It was the opinion of the committee that this advertising was definitely misleading and this subject should be brought before the membership meeting with possible suggestions by our counsel, Mr. Ruddock as to what steps we might possibly take to counteract the advertising which was considered detrimental to the use of asbestos cloths at elevated temperatures.

The Chairman of the Sales Promotion Committee concluded the meeting with a request that the members offer suggestions as to what program they wished the Technical Committee to follow regarding heat degradation in various grades of asbestos cloth. The Committee agreed to offer suggestions to the Chairman of the Sales Promotion Committee, who in turn could present a useful program both to Dr. Shaw and the Technical Committee.

John A. Brown, Jr.,
Chairman
Sales Promotion Committee

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MS 004329

Minutes of the Asbestos Textile Institute Air Hygiene and Manufacturing
Committee -- December 5, 1957

In attendance:

W. C. Atkinson
H. M. Jackson
B. W. Luttenberger
A. E. May
T. C. McCluskey
J. L. Mitchell
W. C. Seeds
R. B. Smith
J. W. Weber

Johns-Manville Corp.
" " "
Raybestos-Manhattan, Inc.
Keasbey & Mattison Co.
Tallman-McCluskey Fabrics Co.
Southern Asbestos Co.
Johns-Manville Corp.
Raybestos-Manhattan, Inc.
American Asbestos Textile Corp.

The following items were discussed in an informal atmosphere with all members taking an active part in the meeting:

1. Mr. Hugh Jackson reported that the study being conducted by the Industrial Hygiene Foundation for the Quebec Asbestos Miners Association has been completed but is not available. The report will be discussed at the next committee meeting.
2. Mr. Luttenberger reported that Dr. Maier is continuing his work on the percentage and type of dust received in various raw fibers. The Air Hygiene and Manufacturing Committee is interested in the work of the Fiber Evaluation Committee and would appreciate being advised of their proceedings and plans for the future.
3. Public Relations and employee relations were briefly discussed. It was the consensus of opinion that a greater effort should be made to provide new workers with correct information as to the nature of our industry and to acquaint the members of the community, and in particular, the medical and nursing professions of the conditions in our plants. Two companies reported of the increased good will which resulted after various groups had visited their plants.
4. Mr. John Weber reported on his recent trip to Europe where he visited textile plants in France. Mr. Weber stated that in general the machines do not operate at as high a speed as the American machines. A new design spinning frame of Italian manufacture was being installed. These frames were equipped with a variable speed spindle drive which reduced the speed of the spindle when winding on the upper part of the bobbin.
5. The effectiveness of the hoods now in use over the broadcloth looms was discussed. Two companies advised that they had installed new experimental hoods on some of their looms and were considering replacing all of the hoods with the new design. The experimental hoods were of the overhead type with two doors on each side to permit access to the loom.
6. One company reported that in a recent dust count taken in their card room, all counts, except one taken at a feeder, were below 3.6 million particles per cu. foot. Another company reported that their average count was now 2.74 million particles per cu. foot.

EXHIBIT B-63

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MS 004330

MT-003736

Minutes of the Asbestos Textile Institute
Air Hygiene and Manufacturing Committee-Dec. 5, 1957

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The reuse of air from the dust collectors was discussed and the importance of good distribution, was emphasized, to reduce the effects of drafts on the workers and machinery. Mr. Seeds of Johns-Manville reported that a duct system, in which the return of air was discharged at the ceiling, was quite satisfactory.

Mr. Smith reported that the test holes in the duct work of their dust collecting system are made by drilling a hole through the duct where a pipe coupling has been brazed to the duct. When the holes are not in use they are sealed with a pipe plug. This insures that all readings will be taken in the same location at each test. The members report that routine tests are conducted from one to four times a year in their plants.

The committee discussed the problem of dust being generated at the rub aprons on the card condensers. This dust is not being collected in most plants at the present time. Methods of control will be discussed at future meetings.

7. The selection and use of respirators were thoroughly discussed by the committee. The points covered are well summarized in the attached paper by Mr. Jackson.
8. The agenda for the next meeting will include the following:
 - a. Vacuum cleaning for dust control. Mr. Mitchell has promised to bring data on the Abington system recently installed.
 - b. The Q.A.M.A. report.
 - c. Dust control methods in the fiber preparation department.
 - d. Continued discussion of dust in fiber.
 - e. Continued discussion of Dust Collectors and Removal of Dust at machines.

Respectfully submitted

A. E. May, Chairman

MT-003737

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MS 004331

12/5/57

ATI-105

MINUTES OF THE AIR HYGIENE COMMITTEE MEETING

IN ATTENDANCE WERE:

J. W. Weber
R. B. Smith
J. D. Beatty
D. R. Holmes
H. M. Jackson

1. The research proposal received from Saranac Laboratory pertaining to the relationship of pulmonary cancer to asbestosis was reviewed in detail.

There is increasing publicity both in the professional and popular literature concerning the relationship of asbestosis to cancer. Several articles tying the two together were cited by the committee. For example, in the Consumers' Reports, a popular publication of national distribution, one of the member companies reported that they currently have a workmen's compensation case claiming that pulmonary cancer was caused by exposure to asbestosis.

It is obvious from the Saranac proposal that research into this field is exceedingly complex; that the techniques are difficult; and that a considerable length of time and a large number of experimental animals are required. The Saranac proposal covered a three year period.

It was the consensus of the committee that an additional proposal be obtained from another research agency and reviewed before making a definite recommendation to the Board of Governors. It was also suggested that when our thinking became crystallized, other asbestos industries, such as the asbestos cement, the insulation and asphalt tile groups, be approached to cooperate in the financing of the research

2. It was recalled that in Dr. Schepers' visit to the committee, mention had been made of the carcinogenic properties of certain oils and lubricating products that might be involved in the fibre conditioners. Recommendation was made that further information concerning this potential hazard be obtained and forwarded to each committee member. Toxicological information pertinent to other materials commonly used in member plants (solvents, degreasers, etc.) would also be obtained and disseminated.
3. The Committee reviewed the practices and methods of maintenance and operation of dust control systems. Since the standard dust survey methods are lengthy and costly procedures, it was the consensus that assurance of the effective operation of a ventilation control system could be obtained through frequent and regular checks of air flow and pressures.

It was recommended that an initial relationship between satisfactory dust counts and operating pressures of the system be established. Subsequent

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MT-003738

Minutes of the
Air Hygiene Committee
Meeting

-2-

checks of the system with the manometer would indicate whether the system was operating as designed. Such a test procedure is both simple and rapid.

The techniques of systematic inspection were reviewed and it was unanimously agreed that regularly scheduled, periodic inspection was an essential element in maintaining the efficiency of the system. A corollary of this was the preventive maintenance approach to bag, hood and pipe replacement.

4. John Beatty reported an effective design of dust control at the looms. Drawings and pictures will be distributed when received.

H. M. Jackson
Chairman
Air Hygiene Committee

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MS 004333

MT-003739

MINUTES of the Meeting of the
Board of Governors of the Asbestos
Textile Institute held December 5,
1957, in Philadelphia, Pa.

IN ATTENDANCE:

J. A. Bettles, President
RAYBESTOS-MANHATTAN, INC.

AMERICAN ASBESTOS TEXTILE CORP.
A. J. Scanlan

KEASBEY & MATTISON COMPANY
D. W. Widmayer

JOHNS-MANVILLE CORP.
W. S. Hough

SOUTHERN ASBESTOS COMPANY
J. T. Griffis

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey

1. The meeting was opened by President Bettles and the chairmen of the several active committees of the Institute were introduced for the purpose of presenting preliminary reports covering the work of each committee.

Mr. J. A. Brown, Jr., Chairman, Sales Promotion Committee presented the first report and discussed in some detail the various projects presently under consideration by this committee. The full report of this committee as presented at the General meeting is attached as a part of the minutes of that meeting.

Mr. Edw. Beale, Chairman of the Technical Committee and Dr. M. S. Maier, Chairman of the sub-committee concerned with the Nuclear Energy program, both reported regarding the work of this group as covered in the meeting held earlier on this date. The activities and progress of the sub-committees concerned with cloth, tapes and braid were reviewed. The full report as presented at the General meeting is attached as a part of the minutes of that meeting.

Mr. A. E. May, Chairman of the Air Hygiene and Manufacturing Committee presented the report covering the activities of that committee. A full attendance at the meeting held earlier on this date permitted extensive discussions covering a wide range of subjects under consideration by this group. The formal report as presented at the general meeting is attached as a part of the minutes of that meeting.

Upon completion of the presentation of the committee reports there followed a discussion related to the committee presentations covering points of particular interest to the Board of Governors. Much interest was shown in the activities now being pursued to establish the applicability of asbestos textiles in the atomic and nuclear energy fields. Dr. Maier is heading up this work and his proposals as to procedure were heartily endorsed. It was further agreed in this connection that certain expenses to be incurred by Dr. Maier in carrying out his assignments should be borne by the Institute. Therefore, it was moved by Mr. McCluskey, seconded by Mr. Griffis and unanimously agreed that the travelling expenses incurred by Dr. Maier in carrying out Asbestos Textile Institute assignments should be paid by the Asbestos Textile Institute.

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In final consideration of the several reports here presented, President Bottes appreciatively acknowledged the work of each committee and expressed the thanks of the Institute for the important contributions each has made in the proper functioning of the Institute.

2. The formal session of the Board of Governors opened with the offering of the Minutes of the last meeting to be read, however, since all members had received copies of these minutes and were familiar with the actions there taken, it was unanimously agreed that the reading of the minutes be omitted at this time.
3. The Treasurer's report was next presented for consideration and after thorough study and discussion, it was moved by Mr. Widmayer, seconded by Mr. Griffis and unanimously agreed that the report be presented at the General meeting with recommendation for approval.
4. The next report offered for consideration was the Budget Committee report. The report as drafted by the Assistant Treasurer was presented to serve as a basis for these considerations and this report is attached as a part of the minutes of the meeting. Following due consideration of all matters related to this subject it was moved by Mr. Widmayer, seconded by Mr. Hough and unanimously agreed that the following budget in the total amount of \$26,015.00 be approved.

General Fund

Secretary's Salary	\$ 3,050.00
Secretary's Travel	200.00
Office Expense	1,200.00
Legal Expense	2,000.00
Legal Travel	125.00
Audit Expense	315.00
Meeting Expense	2,000.00
Nuclear Studies	2,000.00
New Exhibit Expense	500.00
Seal of Quality Expense	500.00
Incidental Expense	500.00
	\$ 12,390.00

Fellowship Fund:

Fellowship Salary	\$ 9,725.00
Fellowship Grant	3,000.00
Laboratory Assistance	600.00
Laboratory Expense	300.00
	\$ 13,625.00

Total	\$ 26,015.00
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MT-003741

5. The next segment of the meeting was devoted to the consideration of matters of old business.

The first subject presented for discussion was the Seal of Quality Program. Discussions held earlier on this date by the Sales Promotion Committee led to a recommendation by this committee that the program should not be undertaken in its original concepts, but that rather the seal should be utilized to advertise the existence of the Asbestos Textile Institute and to identify those companies that are members of the Institute. However, upon reopening the discussion at this time there were those who felt that the original concept should be retained and the program as originally conceived should be pursued. Therefore, it was agreed that a committee should be formed composed of two men from each member company, one man from the Sales Promotion Committee and one man from the Technical Committee, which should review the entire program prior to the next meeting and come to the next meeting with recommendations as to the path to be pursued in this endeavor. The meeting for this purpose has been called for 1:00 P.M., Thursday, March 13, 1958 at the Warwick Hotel.

There being no further items of old business, matters of new business were next introduced for consideration.

6. The principle items of new business concerned new membership applications. Manufacturas E. R. I. C. A. was, during the past quarter, extended an invitation to join the Institute as an associate member, however, informed reports by Mr. Marcotte indicate this firm is very small and has not, as yet, established itself to an extent that would perhaps justify active participation in our organization.

Also, within the past few weeks inquiry has been received from Israel Brake Lining Manufacturing Co., as to the possibility of that company becoming an associate member of the Institute. It was agreed that President Bettes should acknowledge the inquiry and advise them that the usual investigations are being made to establish the qualifications of the applicant for associate membership.

7. The final action taken at this meeting covered the approval of the proposed change in the meeting date for the next General meeting to be held in Philadelphia from March 6 and 7 to March 13 and 14. Approval of this action was unanimous.
8. There being no further business to come before this meeting, it was moved by Mr. Widmayer, seconded by Mr. Griffis and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

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MT-003742

The Technical Committee held its Fourth Quarter Meeting on December 5, 1957, at the Warwick Hotel, Philadelphia, Penna.

IN ATTENDANCE

JOHNS-MANVILLE, INC.
E. Beale, Chairman
J. L. Tucker

PHILADELPHIA TEXTILE INSTITUTE
Dr. M. C. Shaw

RAYBESTOS-MANHATTAN, INC.
M. W. Oliver
M. S. Maier

AMERICAN ASBESTOS TEXTILE CORP.
E. C. Cutler

KEASBEY & MATTISON COMPANY
D. F. Quealy

SOUTHERN ASBESTOS COMPANY
J. D. McCluer

Since all members had received a copy of the minutes of the previous meeting, it was moved by J. L. Tucker, seconded by J. D. McCluer, that the reading of the minutes be dispensed with at this time.

Reports of Sub-Committees were as follows:

Cloth Committee: J. L. Tucker proposed a reduction to the warp tensile strength (from 140 to 132 lbs.) of 36P10 Commercial and 36P10 Underwriters' cloth. Discussion led to a motion by J. D. McCluer to change the warp tensile of these two cloths from 140 lbs. to 135 lbs. The motion was seconded by J. L. Tucker and the Technical Committee accepted the change. The revised tensile should be made a part of the current cloth specification.

Future action of this sub-committee will be to set up a program to determine "After Heating Tensiles" of specific cloths.

Braid Committee: The chairman of this committee, Mr. J. L. Tucker, had previously circulated to all member companies the proposed specifications for Asbestos Braids for Electrical and Industrial Purposes. The proposals were reviewed and one change was recommended in the construction table. With this change, this committee feels that this specification is completed and Mr. Tucker will bring sufficient copies to distribute to all member companies.

Mr. McCluer gave all those present the formula (see minutes of 9/5/57 meeting) with substantiating data for calculating the lbs./100 ft. of Asbestos Braided Tubing.

Mr. Quealy also submitted a similar formula based on slightly different theory. (See Appendix A.)

Both of these were favorably received and will be tried by member companies.

Technical Committee Activities - A.S.T.M.: Dr. Maier stated that the A. T. I. specifications for Asbestos Cloth, Industrial Asbestos Tapes and Asbestos Tapes for Electrical Purposes will be submitted for A.S.T.M. approval.

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Government Specifications: It was decided that since A.T.I. specifications were now up for acceptance by A.S.T.M., any contacts with Government Agencies with a view to changing specifications would be held off until A.S.T.M. approval of A.T.I. specification. The reasoning behind this action was that, with the added strength of A.S.T.M., the Government would look more favorably on recommended changes.

Nuclear Radiation Committee: Dr. Maier led this discussion and informed members of the progress to date of this sub-committee. Dr. Maier submitted a committee report which is appendix B of this report.

This sub-committee presented a basis three point program. Briefly these points are:

1. Asbestos fiber be radiated in a reactor and determinations be made on what radiations are induced in the fiber. These determinations would have to be made by an outside Laboratory. Dr. Maier is making arrangements to visit Oak Ridge and will investigate this point with them and if possible will make arrangements to have them carry out this step.
2. That Asbestos Fiber and Asbestos products, such as yarn and tape, be radiated and determinations be made on how it affects their physical properties.
3. That Dr. Shaw's Laboratory be provided with the proper equipment to carry out the determinations under #2 above.

More details of the program are presented in Dr. Maier's committee report.

At the Board of Governors meeting, an appropriation of \$2,000.00 was approved to be used to get this program underway. It was also decided that \$500.00 of this \$2,000. would be used immediately if necessary to get step #1 underway when Dr. Maier visits Oak Ridge. It was further agreed that the travel expenses incurred by Dr. Maier on this program be paid by the Textile Institute.

Respectfully submitted,

Edward Beale, Chairman
Technical Committee

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MS 004338

MT-003744

Appendix A

Formula for pounds per 100 feet braided tubing based on hypotenuse of braid as derived from the relationship between the circumference of one carrier and one pick. Circumference, rather than ID plus wall, is used to allow the approximate 5% lacing contraction.

$$\text{Hypotenuse} = \sqrt{\left(\frac{\text{circumference}}{\frac{\text{no. carriers}}{2}}\right)^2 + \left(\frac{1}{\text{no. picks/inch}}\right)^2}$$

$$\sqrt{\left(\frac{2 \times \text{circumference}}{\text{no. carriers}}\right)^2 + \left(\frac{1}{\text{no. picks/inch}}\right)^2}$$

Total weight of yarns in one yard of tubing = yards/lb =

$$A = \frac{7000}{\sqrt{\left(\frac{2 \times \text{circumference}}{\text{no. carriers}}\right)^2 + \left(\frac{1}{\text{no. picks/inch}}\right)^2} \times \text{no. picks/inch} \times \text{total ends} \times \text{Gns/yard}}$$

$$\text{Total weight of yarns in 100 ft.} = \frac{A \times 33.3}{7000} \text{ lbs.} =$$

$$\frac{\sqrt{\left(\frac{2 \times \text{circumference}}{\text{no. carriers}}\right)^2 + \left(\frac{1}{\text{no. picks/in.}}\right)^2} \times \text{no. picks/in.} \times \text{total ends} \times \text{Gns/yd.}}{210}$$

= Lbs./100 ft.

D. F. Quealy

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MT-003745

APPENDIX B

The Nuclear Committee met at the J-M Office in New York. It was agreed we first should contact manufacturers of Nuclear Reactors to learn what test data they would want or need to demonstrate that asbestos can be used in Nuclear Reactors.

Contacts were made with Babcock & Wilcox and General Electric. They both wanted to know what types of radiation is induced in the asbestos or any impurities which might be present. They made it clear that before asbestos or asbestos textile would be considered, there were answers to certain questions that they required.

Strength is not a major requirement, since they are interested only that there is sufficient strength that the material can be applied and will not fall off during use.

Heat resistance is important, as the reactors now operate at temperatures of about 650°F, and higher temperatures are expected for the future.

The effect of radiation on other physical properties as expansion, thermal conductivity, etc., is also desired. These are more a function of the construction than the asbestos.

Dr. Maier is making arrangements to visit Oak Ridge to learn what tests have been made on asbestos and asbestos products and what data are available.

The Committee recommends the following program:

1. Asbestos be radiated in Nuclear Reactors and the induced radiations, that is the type and energy of the radiation, be determined. This will have to be done at an outside laboratory at Oak Ridge or Battille Institute because of the special equipment required.

The cost of this analysis is not known, but will be learned when Dr. Maier visits Oak Ridge.

2. We go ahead with the program on the effect of radiation on the physical properties of asbestos, in which asbestos fiber, AAAA yarn, Underwriters' yarn, AAAA tape, Underwriters' tape, be radiated in a reactor and the change in physical properties be measured.

The exact material to be radiated and the time of radiation will depend on the size of the can or cell in which the material is radiated and the reactor in which it is radiated.

3. The measurements to be made at the office of the A.T.I., provided proper arrangements can be made with the Philadelphia Textile Institute. The main requirements are a room or space more or less isolated, a radiation monitor, and some knowledge of radioactivity. A. E. C. permission must be obtained before one can have material radiated, so we should immediately purchase the monitor and make the required application to the A.E.C.

M. S. Maier

MS 004340

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MT-003746

ROSTER
ASBESTOS TEXTILE INSTITUTE

MEMBER COMPANIES

AMERICAN ASBESTOS TEXTILE CORP.
Norristown, Pa.
ASTEN-HILL MANUFACTURING COMPANY
Philadelphia 29, Pa.
JOHNS-MANVILLE CORPORATION
New York 16, N. Y.
KEMSEY & WATTISON COMPANY
Ambley, Pa.
RAYBESTOS-MANHEIM, INC.
Manheim, Pa.
SOUTHERN ASBESTOS COMPANY
Charlotte 1, N. C.
TULLMAN-MCCLUSKEY FABRICS CO.
St. Louis, Mo.

ASSOCIATE MEMBERS

ASBESTOS CORPORATION, LTD.
Thetford Mines, Quebec, Canada
BELT ASBESTOS MINES LTD.
Thetford Mines, Quebec, Canada
BRITISH BELTING AND ASBESTOS, LTD.
Cleckheaton, Yorkshire, England
THE CAPE ASBESTOS COMPANY, LTD.
London, W.1, England
CASSIDY ASBESTOS COMPANY, LTD.
Toronto, Canada
ENGLISH ASBESTOS COMPANY, LTD.
Bristol 4, England
JOHNSON'S COMPANY, LTD.
Thetford Mines, Quebec, Canada
SMITH & PARKS, LTD.
Manchester 9, England
SOCIETE ANONYME FRANCAISE DU FERODO
Paris, France

ASBESTOS TEXTILE INSTITUTE

GENERAL MEETING

Hotel Warwick
Philadelphia, Pa.
December 5-6, 1957

OFFICERS

President.....J. A. Bettes
Vice President.....J. T. Griffiths
TreasurerT. C. McCluskey
SecretaryM. C. Shaw

BOARD OF GOVERNORS

J. A. Bettes
J. T. Griffiths
A. J. Scanlan
D. W. Widmayer
R. S. Tallman
E. H. Wells

LEGAL COUNSEL

M. I. Ruddock
Cadwalader, Wickersham & Taft

COMMITTEES

Sales Promotion: Air Hygiene & Mfg.
J. A. Brown, Jr. Chair. A. E. May, Chair.
A. R. Byrnes D. R. Holmes
J. T. Griffiths H. M. Jackson
G. J. Harris T. C. McCluskey
S. I. Harris J. L. Mitchell
W. S. Hough R. B. Smith
A. J. Scanlan J. W. Weber
J. G. Schoepf B. W. Luttenberger
E. A. Schuman
A. E. Whitfield

Technical:
Edw. Beale, Chair.
E. C. Cutler
Fiber:
J. A. D. Marcotte, Chair. M. S. Maier
J. D. Christian J. D. McCluer
R. E. Cryor T. C. McCluskey
A. W. G. Gibb M. W. Oliver
J. C. Kelleher D. F. Queally
F. Parker Smith J. L. Tucker

MEETING SCHEDULE

Thursday, December 5, 1957:
Committee Meetings:

Technical Committee --- 9:30 A.M. - 5:00 P.M.
Room 319

Air Hygiene & Mfg. Committee --- 9:30 A.M.-5:00 P.M.
Room 321

Sales Promotion Committee - 9:30 A.M.-5:00 P.M.
Secretary's Suite

Board of Governors:
Meeting --- 6:00 P.M. - Secretary's Suite

Friday, December 6, 1957:

General Meeting --- 9:30 A.M. - Colonial Room

Luncheon --- 12:30 P.M.

GENERAL MEETING AGENDA

Call to Order by the President --- 9:30 A.M.
Minutes of Last Meeting
Treasurer's Report
Budget Committee Report
Secretary's Report
Legal Counsel Report
Committee Reports:

Air Hygiene & Mfg. --- A. E. May
Sales Promotion --- J. A. Brown, Jr.
Technical --- Edw. Beale
Fellowship Report --- M. C. Shaw
Old Business
New Business

Asbestos Textile Institute Standard Cloth List

1. Sampling for Lot Acceptance Tests.

The selection of samples to be tested to determine the acceptability of a lot shipment of asbestos cloths shall be in accordance with the following schedule.

<u>ROLLS IN SHIPMENT</u>	<u>ROLLS FOR TEST</u>
1 to 2	all
3 to 10	3
11 to 16	4
17 to 25	5
26 to 40	6
41 to 65	7
66 to 79	8
80 or more	10% of shipment

Note: The average values of the rolls tested shall meet the requirements established by the Asbestos Textile Institute, when tested in accordance with A.S.T.M. procedures. The minimum average value of tensile strength of the sample unit shall not be less than the specified values. The specified values are minimum averages of the entire sample of the lot or unit.

2. Standard Cloth List, (Table I)

3. Tolerances.

a) Width

The width of asbestos cloth shall not vary by more than 0.5 in. over or under the specified width.

b) Weight

The weight of asbestos cloth shall not vary by more than 7 per cent over or under the specified weight.

c) Thickness

The thickness of asbestos cloth shall not vary from that specified by more than the following:

Nominal Thickness, in.	Permissible Variations, in.
0.050 and under	± 0.005
Over 0.050	+ 0.010 - 0.005

d) Construction

The number of warp ends or filling picks per inch of asbestos cloth shall not vary by more than 1 end or 1 pick over or under the specified warp or filling counts.

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e) Yarn Number (Cut)

The yarn number (cut) of the yarns in asbestos cloth shall not vary from that specified by more than the following permissible variations: (A.S.T.M. Table)

f) Asbestos Content

The asbestos content of asbestos cloth prescribed for the particular grade shall not vary from that specified in Section 3, ASTM Designation: D 677 - 50.

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A.T.I. LIST OF STANDARD ASBESTOS CLOTHS. (no wire inserted)

CONSTRUCTION			MINIMUM AVERAGE TENSILE STRENGTH																	
WT. LBS. PER SQ.YD. + 7%	Style No. A.T.I.	Thickness (inches)	ENDS		per 1" WARP		per 1" FILL		PICK		COMMERCIAL UNDERWRITERS				AA		AAA		AAAA	
			per 1" WARP	per 1" FILL	WARP YARN	FILL YARN	W.	F.	W.	F.	W.	F.	W.	F.	W.	F.	W.	F.		
1.00	16P18	.035	16	13	1820	1810			60	30										
1.05	17P24	.035	16	15	2420	2420			60	55										
1.25	20P28	.036	27	13	2820	2820			90	40										
1.30	21P10G	.035	16	9	1010	1010			120	70										
1.33	21P10	.055	8	8	1020	1020		45	40											
1.30	21P14	.050	16	10	1420	1210			60	25										
1.35	21P16	.045	12	15	1620	1620			125	70										
1.40	22P10G	.052	18	9	1010	1010			80	40										
1.40	22P16	.051	19	10	1620	1620			55	50										
1.50	24P10	.055	9	9	1020	1020		55	45											
1.50	24P16	.051	19	10	1620	1620													(MIL-C-10316)	
1.65	26P14	.053	14	14	1420	1420			80	75										
1.75	28P16	.063	24	10	1620	1620			95	35										
1.80	29P10	.060	16	10	1020	1010			80*	25*										
1.80	29P14	.058	20	10	1420	1420			95	40									(MIL-C-10316)	
2.10	34P10	.062	16	9	1020	1020		110	45											
2.25	36P10	.070	18	9	1020	1020		120	50										(MIL-C-10316)	
2.40	38P12	.065	20	12	1220	1220														
2.50	40P10	.075	20	10	1020	1020														
2.50	40H14	.070	27	14	1420	1420														
3.00	48P10	.080	18	9	1030	1030														
3.00	48T12	.075	30	10	1220	1220														
3.33	53T12	.080	36	12	1220	1220														
3.65	58T12	.080	36	12	1220	1220														
3.70	59T12	.080	40	14	1220	1220														
4.75	76P10DC	.135	37	16	1020	1020														
								185	80											
																			(MIL-C-10316)	
																	</			

P - Plain Weave
T - Twill Weave

H - Herringbone
G - Glass Reinforced

DC - Double Cloth

ATI-105
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A.T.I. LIST OF STANDARD ASBESTOS CLOTHS. (no wire inserted)

WT. LBS. PER SQ.YD. ± 7%	Style No. A.T.I.	C O N S T R U C T I O N			MINIMUM AVERAGE TENSILE STRENGTH									
		Thickness (inch)	E N D S		WARP	per 1" ± 1		FILL	per 1" ± 1		P I C K			
			WARP	± 1		WARP	± 1		WARP	± 1	WARP	± 1	WARP	± 1
1.00	16P18	.035	16	13	1820	1820	1820	13	1820	1820	60	30	55	60
1.05	17P24	.035	16	15	2420	2420	2420	15	2420	2420	60	55	55	60
1.25	20P28	.036	27	13	2820	2820	2820	13	2820	2820	90	40	40	90
1.30	21P10G	.035	16	9	1010	1010	1010	9	1010	1010	120	70	70	120
1.33	21P10	.055	8	8	1020	1020	1020	8	1020	1020	40	25	25	60
1.30	21P14	.050	16	10	1420	1210	1210	10	1420	1210	60	25	25	60
1.35	21P16	.045	12	15	1620	1620	1620	15	1620	1620	55	60	60	55
1.40	22P10G	.052	18	9	1010	1010	1010	9	1010	1010	125	70	70	125
1.40	22P16	.051	19	10	1620	1620	1620	10	1620	1620	80	40	40	80
1.50	24P10	.055	9	9	1020	1020	1020	9	1020	1020	55	50	50	85
1.65	26P14	.053	14	14	1420	1420	1420	14	1420	1420	80	75	75	80
1.75	28P16	.063	24	10	1620	1620	1620	10	1620	1620	95	35	35	80
1.80	29P10	.060	16	10	1020	1010	1010	10	1020	1010	95	25	25	80
1.80	29P14	.058	20	10	1420	1420	1420	10	1420	1420	95	40	40	95
2.10	34P10	.062	16	9	1020	1020	110	9	1020	1020	110	50	50	100
2.25	36P10	.070	18	9	1020	1020	120	9	1020	1020	120	50	50	130
2.40	38P12	.065	20	12	1220	1220	1220	12	1220	1220	115	50	50	105
2.50	40P10	.075	20	10	1020	1020	140	10	1020	1020	140	55	55	140
2.50	40H14	.070	27	14	1420	1420	150	14	1420	1420	60	70	70	65
3.00	48P10	.080	18	9	1030	1030	180	9	1030	1030	55	55	55	220
3.00	48T12	.075	30	10	1220	1220	1220	10	1220	1220	180	55	55	70
3.33	53T12	.080	36	12	1220	1220	1220	12	1220	1220	170	50	50	170
3.65	58T12	.080	36	12	1220	1220	1220	12	1220	1220	180	55	55	180
3.70	59T12	.080	40	14	1220	1220	1220	14	1220	1220	200	55	55	200
4.75	76P10DC	.135	37	16	1020	1020	185	16	1020	1020	160	40	40	160

P - Plain Weave
T - Twill Weave

H - Herringbone
G - Glass Reinforced

DC - Double Cloth

MS 004346

MT-003752

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**A.T.I. STANDARD SPECIFICATIONS FOR
ASBESTOS TAPE FOR ELECTRICAL PURPOSES**

1. General

These specifications apply to asbestos tape woven from plain asbestos yarn and suitable for electrical purposes.

2. Sampling for Lot Acceptance Tests

The selection of samples to be tested to determine the acceptability of a lot shipment of asbestos tape shall be in accordance with the following schedule:

<u>Rolls in Shipment</u>	<u>Rolls for Test</u>
50 & under	3
51 to 100	5
101 to 250	7
251 & over	10

3. Specifications

The average values for all of the rolls tested shall meet the requirements established by the Asbestos Textile Institute as shown in Table I, with the tolerances given in section 4.

TABLE I

<u>Thickness, In.</u>	<u>Physical Property</u>	<u>WIDTH, INCHES</u>						
		<u>1/2</u>	<u>3/4</u>	<u>1</u>	<u>1-1/4</u>	<u>1-1/2</u>	<u>1-3/4</u>	<u>2</u>
0.010	Total ends	17	24	31	38	44	51	58
	Picks per inch	17	17	17	17	17	17	17
	Pounds per 100 feet	0.27	0.38	0.50	0.62	0.72	0.84	0.96
	Tensile strength, lbs.	11	15	20	24	28	33	37
0.015	Total ends	18	26	33	40	47	55	62
	Picks per inch	15	15	15	15	15	15	15
	Pounds per 100 feet	0.36	0.53	0.68	0.83	0.98	1.15	1.30
	Tensile strength, lbs.	19	27	35	42	50	58	65
0.020	Total ends	16	22	28	34	40	46	52
	Picks per inch	13	13	13	13	13	13	13
	Pounds per 100 feet	0.50	0.70	0.91	1.12	1.32	1.53	1.73
	Tensile strength, lbs.	23	31	40	48	57	65	74
0.025	Total ends	18	25	32	39	46	53	60
	Picks per inch	12	12	12	12	12	12	12
	Pounds per 100 feet	0.59	0.84	1.09	1.34	1.59	1.83	2.08
	Tensile strength, lbs.	28	39	50	61	72	82	94
0.030	Total ends	18	26	33	40	47	55	62
	Picks per inch	11	11	11	11	11	11	11
	Pounds per 100 feet	0.79	1.14	1.47	1.80	2.12	2.48	2.81
	Tensile strength, lbs.	38	55	70	85	100	116	132

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4. Tolerances

a. Width - The width of the tape shall not vary from that specified by more than the following:

<u>Specified Width</u>	<u>Permissible Variation in Width</u>
1 inch & under	plus or minus 1/32 inch
Over one inch	plus or minus 1/16 inch

b. Thickness - The average thickness of the tape shall not vary from that specified by more than plus or minus 0.003 inch.

c. Construction - The number of picks per inch shall not vary from that specified by more than plus or minus 1. The total number of ends shall not vary from that specified by more than the following:

<u>Width</u>	<u>Permissible Variation</u>
1 inch and under	plus 2 minus 1
over 1 inch	plus 3 minus 2

d. Weight - The average weight of the tape shall not vary from that specified by more than plus or minus 10 percent.

e. Tensile Strength - The average tensile strength of the tape shall not be less than that specified.

5. Method of Testing

All testing shall be in accordance with that specified in "Standard Specifications and Methods of Test for Asbestos Tape for Electrical Purposes", ASTM D-315.

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MINUTES of the General Meeting of
the Asbestos Textile Institute
held December 6, 1957 in Phila.,
Pa.

IN ATTENDANCE:

J. A. Bettles, President
RAYBESTOS-MANHATTAN, INC.

AMERICAN ASBESTOS TEXTILE CORP.
Mike Scanlan

JOHNS-MANVILLE CORP.
W. C. Atkinson
Edw. Beale
W. S. Hough
E. A. Schuman
W. C. Seeds

KEASBEY & MATTISON COMPANY
S. I. Harris
A. E. May
D. F. Queally
A. E. Whitfield
D. W. Widmayer

RAYBESTOS-MANHATTAN, INC.
J. A. Brown, Jr.
M. S. Maier
M. W. Oliver
R. B. Smith

SOUTHERN ASBESTOS COMPANY
J. T. Griffis
G. J. Harris
J. L. Mitchell

TALLMAN-McCLUSKEY FABRICS CO.
T. C. McCluskey
A. R. Byrnes

NORTH AMERICAN ASBESTOS COMPANY
A. F. Jerome

ASBESTOS CORPORATION, LTD.
J. A. Marcotte

JOHNSON'S COMPANY, LTD.
A. W. G. Gibb

BELL ASBESTOS MINES, LTD.
F. Parker Smith
H. A. Smith

CADWALADER, WICKERSHAM & TAFT
M. I. Ruddock

ASBESTOS TEXTILE INSTITUTE
M. C. Shaw

1. The meeting was called to order by President Bettles and an address of welcome extended to all of those in attendance.
2. The President called for a reading of the Minutes of the last meeting, however, since all members had received copies of these minutes and were familiar with the actions there taken, it was moved by Mr. Griffis, seconded by Mr. Hough and unanimously agreed that the reading be dispensed with at this time.
3. The Treasurer's Report was presented by Treasurer T. C. McCluskey and a discussion of the report was led by the Assistant Treasurer. Following a full discussion of this report it was moved by Mr. Widmayer, seconded by Mr. Griffis and unanimously agreed that the report be accepted and entered as a part of the minutes of this meeting.

In addition to the Treasurer's report, Mr. McCluskey also reported regarding the actions taken by the budget committee in the establishment of a budget

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for the Institute for 1958. It was reported that this action, approved by the Board of Governors, established a budget of \$12,390.00 for the General Fund and \$13,625.00 for the Fellowship Fund or a total budget of \$26,015.00 to cover the operational expenses of the Institute for 1958. Included in the General Fund budget is an item in the amount of \$2,000.00 to cover initiation of our efforts in the nuclear energy studies

Following a discussion of the budget report, it was moved by Mr. Hough, seconded by Mr. Widmayer and unanimously agreed that the report be approved and accepted.

4. The President next called upon the legal counsel, Mr. M. I. Ruddock, to address the meeting with regard to any recent legal matters that should be brought to the attention of the members assembled. Mr. Ruddock discussed the operation of the Anti trust laws generally and reported on Senate Bill 2375. In the Senate Subcommittee hearings on that bill it had been suggested by one group that an import duty be imposed on asbestos. However nothing has come of this and the bill itself still deals only with lead and zinc.
5. The next segment of the meeting was devoted to committee reports presented by the chairman of each of the active committees of the Institute.

Mr. J. A. Marcotte, Chairman of the Fibre Committee was first called upon to present a report of the activities of that Committee and to speak regarding his observations of conditions in Europe where he recently visited. Regarding the work of the committee, it was reported that there have been no demands upon or situations requiring the services of this group during the past quarter and it has, therefore, not been active. Mr. Marcotte also reported upon business conditions as related to the asbestos industry which he observed during a recent tour of Europe. In general, much of the world is experiencing the same business difficulties as are we in the United States, however, Germany appears to be realizing better than average conditions. The outlook for the coming year does not appear to offer any great improvement in general business conditions over those experienced during the year just passed.

The Air Hygiene and Manufacturing Committee report was presented by Mr. A. E. May, Chairman of that committee. A fully representative membership attendance at the meeting held on December 5th permitted a thorough consideration and discussion of a wide range of subjects of interest to the group. The complete report as presented is attached as a part of the minutes of this meeting.

The Sales Promotion Committee report was presented by Mr. J. A. Brown, Chairman of that committee and a copy of that report is attached as a part of the minutes of this meeting. During the course of the discussion following this report it was suggested that further study be pursued in connection with the proposed seal of quality program. In this connection, President Bettes announced that prior to the next meeting of the Institute a committee composed of one Technical Committee representative and one Sales Promotion Committee representative from each member company would meet to consider this subject and to draft recommendations regarding these matters for presentation at the next General Meeting.

The Technical Committee Report was presented by Chairman Edward Beale and added remarks pertaining to the nuclear study program were presented by Dr. M. S. Maier. Copies of these reports are attached as a part of the minutes of this meeting.

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The Fellowship Report was the final report presented in this portion of the meeting and a copy of this report is attached as a part of the minutes of this meeting. During the course of the discussion which followed the presentation of this report covering the considerations relating to the elevated temperature serviceability of certain leather products, it was unanimously recommended that the results as reported be transmitted to the manufacturer of these leather goods and to the magazine publisher that carried the advertisements for these materials.

6. The next segment of the meeting was devoted to the consideration of new membership applications. It was reported by the President that an invitation to associate membership was extended to Manufacturas E. R. I. C. A., Barcelona, Spain, during the past quarter, however, no response to this invitation had been received. Also, an application from Israel Brake Lining Mfg. Co. was received during recent weeks and the necessary inquiry and investigation to determine the eligibility of this applicant for membership is now being undertaken. The issuance of a formal invitation to membership will be contingent upon the results of this investigation.
7. Prior to adjournment the Secretary announced that the next General meeting of the Institute will be held on March 13 and 14 at the Warwick Hotel, Philadelphia, Pa.
8. There being no further business to come before this meeting it was moved by Mr. Griffis, seconded by Mr. Brown and unanimously agreed that the meeting be adjourned.

Myril C. Shaw,
Secretary

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A.T.I. STANDARD SPECIFICATIONS FOR
INDUSTRIAL ASBESTOS TAPES

1. General

These specifications apply to asbestos tape 1/32 inch in thickness and over woven from plain asbestos yarn.

2. Sampling for Lot Acceptance tests

The selection of samples to be tested to determine the acceptability of a lot shipment of asbestos tape shall be in accordance with the following schedule:

<u>Rolls in Shipment</u>	<u>Rolls for Test</u>
50 & under	3
51 to 100	5
101 to 250	7
251 & over	10

3. Specifications

a. Grade - The grade of the asbestos tape shall be determined by the percentage of asbestos by weight and shall conform to the following requirements:

<u>Grade</u>	<u>Asbestos Content, percent</u>
Commercial	75 to 80, exclusive
Underwriters	80 to 85, exclusive
A	85 to 90, exclusive
AA	90 to 95, exclusive

b. Physical Properties - The average values for all of the rolls tested shall meet the requirements established by the Asbestos Textile Institute as shown in Table I, with the tolerances given in section 4.

TABLE I

	<u>Thickness, Inches</u>				
	<u>1/32</u>	<u>1/16</u>	<u>1/8</u>	<u>3/16</u>	<u>1/4</u>
Ends per inch (including binder ends)	28	18	34	33	45
Picks per inch	11	8	12	12	18
Feet per pound, 1 inch width	60	40	16	12	8
Tensile strength, pounds per inch width:					
Commercial grade	80	150	250	350	-
Underwriters grade	85	170	275	375	-

4. Tolerances

a. Width - The width of the tape shall not vary from that specified by more than the following:

<u>For 1/32 inch and 1/16 inch Thicknesses</u>	
<u>Specified Width</u>	<u>Permissible Variation in Width</u>
1 inch & under	plus or minus 1/32 inch
Over one inch	plus or minus 1/16 inch

<u>For 1/8 inch, 3/16 inch, and 1/4 inch Thicknesses</u>	
<u>Specified Width</u>	<u>Permissible Variation in Width</u>
All widths	plus or minus 1/16 inch

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b. Thickness - The average thickness of the tape shall not vary from that specified by more than the following:

Specified Thickness

Permissible Variation

1/32 inch

plus or minus 0.003 inch

1/16 inch

plus or minus 0.005 inch

1/8 inch

plus 0.010 inch - minus 0.005 inch

3/16 inch

plus 0.010 inch - minus 0.005 inch

1/4 inch

plus 0.010 inch - minus 0.005 inch

c. Construction - The number of picks per inch shall not vary from that specified by more than plus or minus 1 for tapes 1/32 inch and 1/16 inch in thickness or by more than plus or minus 2 for tapes 1/8 inch, 3/16 inch, and 1/4 inch in thickness. The number of warp ends per inch (including binder ends) shall not vary from that specified by more than plus or minus 2 for all thicknesses.

d. Weight - The average weight of the tape shall not vary from that specified by more than plus or minus 10 percent.

e. Tensile Strength - The average tensile strength of the tape shall not be less than that specified.

5. Method of Testing

All testing shall be in accordance with that specified in "Standard Specifications and Methods of Test for Asbestos Tapes", ASTM D - 315-52.

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