

ASBESTOS TEXTILE INSTITUTE, INC.

1976 ANNUAL MEETING

October 8, 1976

Savannah Inn and Country Club, Savannah, Georgia

PLAINTIFF'S
EXHIBIT

9031.0

LIST OF DELEGATES

AMATEX CORPORATION

W. Maaskant
M. J. Scanlan
J. L. Rainey
H. H. Walter

GARLOCK INC.

P. S. Hanke, Esq.
A. Kuzmuk
R. B. Pilmer (Garlock
of Canada Ltd.)

RAYBESTOS-MANVILLE, INC.

M. N. Brooks
P. G. Dolan
G. Ferrucci
R. M. Gordon
J. W. Hawkins
C. A. Kennedy
W. Krucke
R. O. Moebius
M. Q. Scowcroft
J. P. Wronski

SOUTHERN ASBESTOS COMPANY

E. C. Bratt
D. E. Childers
J. W. Echerd

ASBESTOS CORPORATION LTD.

G. F. A. Brink
H. Devriese
P. E. Leclerc

BELL ASBESTOS MINES LTD.

W. H. Smith

CANADIAN JOHNS-MANVILLE CO. LTD.

H. M. Hay
A. R. Morrill

CASSIAR ASBESTOS CORPORATION LTD.

N. Grilzok
R. A. Kuntze (ORF)
P. Steen

LAKE ASBESTOS OF QUEBEC LTD.

E. A. Farrell
C. E. Stiefken (ASARCO)

NIPPON ASBESTOS CO. LTD.

K. Mori
S. Shima

TBA INDUSTRIAL PRODUCTS LTD.

H. J. Corson

FRL/AN ALBANY INTERNATIONAL CO.

S. Golub

ASBESTOS TEXTILE INSTITUTE, INC.

J. D. Officer, Esq.,
Legal Counsel
Cadwalader, Wickersham & Taft
D. M. Fagan, Executive Secretary

Total attendance during the three-day 1976 Annual Meeting was 57 people: 34 members, 20 spouses, 1 guest, 1 legal counsel and 1 secretary; representative of 11 member companies, FRL and ATI.

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M I N U T E S

1. CALL TO ORDER: The 1976 Annual General Meeting of Asbestos Textile Institute, Inc., was called to order by President Kuzmuk at 9:15 a.m., October 8, 1976, at the Savannah Inn and Country Club, Savannah, Georgia.

2. INTRODUCTIONS & OFFICIAL WELCOME: President Kuzmuk introduced the following new delegates:

Nicholas Gritzuk, Chairman, Cassiar Asbestos Corporation Ltd.;
Peter Steen, President, Cassiar Asbestos Corporation Ltd.;
Herman Devlin, Product Research & Development Manager,
Thetford Operations, Asbestos Corporation Ltd.;
Gabriel Ferrucci, President, Raybestos Manhattan Industrial
Products Company;
J. David Officer, Esq., Cadwalader, Wickersham & Taft.

Mr. Kuzmuk then welcomed all members, asking each to rise and give his name and company affiliation. Special mention was made of Joseph P. Wronski, of Raybestos-Manhattan, Inc., since this was his first ATI meeting for some time. The attendees at the meeting are listed on the first page of these Minutes.

3. READING OF MINUTES: Upon a call for the reading of the Minutes of the last meeting, it was moved by Mr. Scanlan, seconded by Mr. Bratt, and unanimously carried, to dispense with the reading thereof.

4. FINANCIAL REPORT: A report on the financial posture of the Corporation at August 31, 1976, was presented by Treasurer Scanlan. The cash balance on September 1, 1975, was \$3,599.21. Receipts of \$17,970.77 less disbursements of \$18,166.05 left a cash balance at year-end of \$8,403.13. Actual receipts accountable to the year under review, less actual expenses for the year resulted in a net loss of \$1,906.39. Of interest was the fact that, to date, a net profit of \$206.49 had been realized on the Chrysotile Asbestos Test Manual, 2nd Edition. Treasurer Scanlan also reported that the financial records of the Corporation had been audited by Dreslin and Company, Certified Public Accountants, and had been found to be in order.

The budget for the fiscal year to and August 31, 1977, as approved by the Board of Governors, was presented to the membership. Total receipts are anticipated to be \$15,930.00 and expected expenses should reach about \$16,715.00, leaving the very small amount of \$235.00 for unforeseen costs.

It was moved by Mr. Bratt, seconded by Mr. Scowcroft, and so carried, to accept the Report as presented.

A copy of the Report of Funds as of 8/31/76 and the Approved Budget for the Fiscal Year 1976-77 are appended hereto as Attachment I.

5. SPECIAL ASSESSMENT: President Kuzmuk apprised the membership that the Board of Governors had seriously considered the advisability of a Special Assessment on the Regular Member companies of the Corporation to cover expenses being incurred in defense of the several litigations in which the Corporation has been named as a defendant. However, the Governors unanimously agreed the decision should be made by the members of the new Board at their initial meeting in February 1977. In the meantime, Corporate litigation costs will be paid out of general funds.

6. FIBER PRODUCERS REPORT: Prior to giving his official presentation, W. H. Smith, Sales and Technical Manager, Bell Asbestos Mines Ltd., offered the suggestion that ATI and the Quebec Asbestos Mining Association endeavor to not schedule their respective meetings concurrently. It appears that the several people who are members of both the QAMA and ATI have much to contribute to the two organizations but are frequently unable to attend both functions because of conflicting dates.

In presenting the Fiber Producers Report, Mr. Smith stated that 1976 has been an extremely good year for sales of Group 3 asbestos fibers, especially in markets in Eastern Europe and the Far East. Sales to Western Europe and North America showed a downward trend. The supply of Group 3 fibers will probably exceed demand in 1977. As a matter of interest, Group 3 fiber sales averaged 38,000 tons per year from 1965 to 1976. The highest volume during the twelve-year period was 47,000 tons in 1968; the lowest was 30,000 tons in 1965. See Attachment II for the Fiber Producers Report in its entirety.

7. FILM/SPECIAL FEATURE: Through the courtesy of Cassiar Asbestos Corporation Ltd., the membership was privileged to view a sound/color motion picture on the importance of asbestos to the safety and comfort of mankind and on Cassiar's asbestos mining operation in Canada. Extensive coverage was given to the asbestos-health issue and effective control measures being taken by Cassiar, and to the company's positive approach and continuing effort toward better, cleaner and safer working and living conditions.

8. TECHNICAL COMMITTEE REPORT: Technical Committee Member Hawkins reported on the activities of the group, stating that Dr. S. Golub, of FRL/an Albany International Company, reviewed his proposed dust counting procedure with the Technical Committee prior to presentation before the Environmental Committee.

Dr. Golub is also Chairman of ASTM Committee D-13 on Textiles. In this capacity he expressed the belief that the Asbestos Industry should endeavor to gain some favorable publicity. One way to do this would be for someone on behalf of ATI to prepare a practical-type paper on the advantages and virtues of asbestos. At the D-13

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meeting in October, a representative of ASTM will discuss the possibility with Subcommittee D-13.14 (essentially the ATI Technical Committee), specifically covering format, content and how ASTM could handle publicity and distribution.

Dr. Golub advised the Committee that most Military and Federal Standards are now being written in ASTM format and that perhaps ATI should become more involved in this changeover.

The Committee, on a continuing basis, updates and revises ten ASTM Standards related to asbestos textiles. All ten of the Standards are presently in good condition, although two are in need of some minor modifications.

Specification MIL-I-15349 concerned with thermal insulation tape has been dropped as a concern of the Committee.

Some updating is in order on the Handbook of Asbestos Textiles, 3rd Edition. Since a large supply of copies still exists, it was felt by the Committee that a one or two page insert would suffice to bring the reader current, briefly, on matters such as ASTM and Military Specifications related to asbestos textiles, OSHA regulations and the wet process method of manufacture.

It would perhaps be well for the Environmental Committee to review two other ATI booklets. For instance, the booklet entitled "Method for Determining Asbestos Dust Concentration" describes the impinger technique as a dust counting procedure. Since the membrane filter method is now specified, some notification should be made in the booklet to the effect that although the information is accurate, it is no longer the standard procedure followed in the Asbestos Industry. The "Measurement of Airborne Asbestos Fiber by the Membrane Filter Method" booklet could also be updated by inserting a page to define more recent calibration and counting procedures. See Attachment III for the entire Technical Committee Report.

9. ENVIRONMENTAL COMMITTEE REPORT: Acting Chairman Childers elaborated on the proposal by Dr. Golub mentioned heretofore in paragraph 8. Dr. Golub has been researching a method for determining the amount of asbestos fiber in the workroom atmosphere. He proposes to use the standard membrane filter method for sampling, but his procedure would differ greatly in the preparation of a sample for counting. Dr. Golub proposes to stain the asbestos fibers with a dye that has an affinity only for asbestos, thereby making a great distinction between the asbestos fibers and the background material. It seems reasonable to assume that research in this direction would be worthwhile, especially in view of the many contradictions possible with the presently accepted counting techniques. In effect Dr. Golub was seeking funding.

A member of the Committee reported a lack of success on the part of his company toward reducing dust concentrations via electronic apparatus for charging particles in the atmosphere. However, another company testing in a much smaller area of atmosphere

reported some success with the procedure.

All plants have received from OSEH an extension of the abatement period for mandatory dust control measures. Monthly progress reports must be issued to the Area Director or State authority. See Attachment IV for the entire Environmental Committee Report.

10. FIBER RESEARCH AND TESTING SUBCOMMITTEE REPORT: Chairman Kuntze defined the group's activities concerned with the on-going round-robin program on the dust count method, a procedure for determining length distribution of spinning fiber, and various available dust counting instruments. Dr. Kuntze reiterated the concern over a lack of consumer representation on the Committee. See Attachment V for the entire Report.

11. DR. KUNTZE HONORED: In appreciation of outstanding leadership as Chairman of the ATI Fiber Research and Testing Subcommittee from February 1974 through October 1976, President Kuzmuk presented Dr. Richard A. Kuntze with a handsome, inscribed, walnut plaque. Dr. Kuntze is Director, Department of Materials Chemistry, Ontario Research Foundation. He has been involved in the affairs of ATI on behalf of Cassiar Asbestos Corporation Ltd.

12. CORPORATE LITIGATION: As reported by Attorney Officer, the Corporation currently has three lawsuits outstanding against it. In the two cases arising out of the Philadelphia Naval Shipyard (Ferris and Gerace), communications have been established with the plaintiffs' attorneys and the outlook appears favorable toward ATI, Inc. being dismissed from the lawsuits. An agreement has been reached with Gerace's attorney whereby ATI, Inc., does not have to file any papers or take any action until some future time, if ever. This will keep the Corporation's legal costs in this instance to a minimum.

A new set of cases is arising out of the Norfolk Naval Shipyard Virginia, many of which are expected to name ATI, Inc., as a defendant. However, the attorneys in the Norfolk cases appear to be the same attorneys who are handling the Philadelphia cases and Trial Counsel is, therefore, optimistic that similar agreements will be reached and, hopefully, ATI, Inc., will be dismissed from the suits without incurring significant legal fees.

[At the request of the Board of Governors, Cadwalader, Wickersham & Taft will prepare a memorandum as to the extent of liability of Regular and Associate Member companies in any litigation which involves the Corporation.]

13. NOMINATING COMMITTEE REPORT: Committee Chairman Bratt reported that a slate of officers for the Fiscal Year 1976-77 was presented to the Board and the Governors unanimously accepted the proposal. Consequently the following Officers will serve one-year terms to August 31, 1977 --

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President--Michael J. Scanlan, Amatek Corporation;
Vice President & Treasurer--H. J. (Jerry) Corson, TBA Industrial Products Ltd.

In addition, the following gentlemen have graciously accepted Committee Chairs for two-year terms to August 31, 1978 --

Environmental -- C. A. (Spot) Kennedy, Raybestos-Manhattan, Inc.;
Technical -- Alton R. Morrill, Canadian Johns-Manville Co. Ltd.;
Fiber Research & Testing -- Hermann Devriese, Asbestos Corporation Ltd.

14. NEW BOARD OF GOVERNORS: The following representatives will serve on the Board of Governors of the Corporation under the new membership criteria established as of September 1, 1976 --

AMATEK CORPORATION -- M. J. Scanlan
RAYBESTOS-MANHATTAN, INC. -- M. Q. Scowcroft
SOUTHERN ASBESTOS COMPANY -- E. C. Bratt

ASAHI ASBESTOS CO. LTD. -- H. Iwata
ASBERIT S.A. -- M. Cattaneo A.
ASBESTOS TEKTEL S.A. -- D. Barois B.
CANADIAN JOHNS-MANVILLE CO. LTD. -- H. M. Hay
GARLOCK OF CANADA LTD. -- R. D. Pilmer
NIPPON ASBESTOS CO. LTD. -- S. Shima
TBA INDUSTRIAL PRODUCTS LTD. -- H. J. Corson, Jr.

15. NEWS FROM A FORMER MEMBER: Herbert E. Sunbury, former active ATI member and Executive Secretary, has written the Institute to send his best regards and to advise that he and Christine are doing fine and enjoying good health. Regrettably, he reported the passing of Walter C. Atkinson in September 1976. Many Institute members will recall that Mr. Atkinson was active for some years as an ATI Committee Chairman and Member. He had retired from Johns-Manville Corporation in 1968.

16. ASBESTOS INFORMATION ASSOCIATION/NORTH AMERICA: R. H. Mereness, AIA/NA Executive Director, telephoned a report on what the Occupational Safety and Health Administration is doing that concerns the Asbestos Industry. Briefly, the Association has not received a reply from Dr. Morton Corn to its request for a consolidation of hearings on the Asbestos Manufacturing and Construction Standards. . . . The Inflationary Impact Statement (IIS) being prepared for OSHA by CONSAD Research Corporation has not as yet been accepted by OSHA. When it is approved it will be just 30 days before public hearings are held on the Asbestos Manufacturing Standard. . . . OSHA has contracted with Research Triangle Institute for an IIS on the Asbestos Construction Standard--and a similar study will be made for ANA/NA by Equitable Environmental Health, Inc.

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17. FUTURE MEETING SITES & DATES: Chairman Kuzmuk advised of the Governors' decision to hold future ATI meetings as follows:

1977 Feb 3-4 -- Terrace Garden Inn, Atlanta, Georgia
1977 Jun 2-3 -- Washington Statler Hilton, Washington, D.C.
1977 Oct 5-7 -- Ponte Vedra Club, Ponte Vedra Beach, Florida
1978 Feb 1-2 -- Atlanta, Georgia
1978 Jun 1-2 -- Washington, D.C.
1978 Oct 4-6 -- Kiawah Island Inn, Charleston, South Carolina

18. FUTURE TWO-DAY MEETINGS SCHEDULE: In the interest of expediency and meeting flight schedules, the ensuing agenda has been established for ATI's two-day, work-type meetings:

Thursday -- Ad Hoc Committee -- 1:00 p.m. to 3:00 p.m.
Board of Governors -- 3:00 p.m. to 5:30 p.m.
Reception -- 6:30 p.m. to 8:00 p.m.
Friday -- Committee Meetings -- 8:00 a.m. to 11:00 a.m.
General Meeting -- 11:00 a.m. to 12:30 p.m.
Adjournment by 12:30 p.m. in most instances.

19. PRESENTATION TO OUTGOING CHAIRMAN & PRESIDENT: Incoming Chairman and President Scanlan performed the pleasant task of awarding an impressive Atmos Clock to Mr. Kuzmuk for his untiring, productive efforts in leading the Institute through some difficult times and on to a progressive future. In his acceptance address, Mr. Kuzmuk expressed what a great pleasure it had been to be involved in ATI activities. Regrettably a change in his duties at Garlock will take him away from the asbestos business and he will no longer be attending ATI functions. Both he and Anne will miss seeing the many friends they have made during the past 8-1/2 years of association with the Institute.

20. ADJOURNMENT: There being no further business to be brought before the membership, it was moved by Mr. Leclerc, seconded by Mr. Stiefken, and so carried, to adjourn the meeting at 11:00 a.m. A Grand Finale Reception and Luncheon followed and officially ended the 1976 Annual Meeting of Asbestos Textile Institute, Inc.

Respectfully Submitted,

Doris M. Fagan

Doris M. Fagan,
Executive Secretary

Attachment I: Report of Funds at 8/31/76 & Budget for F/Y 1976-77
Attachment II: Fiber Producers Report
Attachment III: Technical Committee Report
Attachment IV: Environmental Committee Report
Attachment V: Fiber Research & Testing Subcommittee Report

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ASBESTOS TEXTILE INSTITUTE, INC.
Report of Funds

Fiscal Year Ending August 31, 1976
Period: September 1, 1975 thru August 31, 1976

BALANCE ON HAND - September 1, 1975:

Checking Account	\$ 700.48	
Savings Account	20,936.45	
Petty Cash Account	46.21	
	<u>\$ 21,683.14</u>	
Less Amount in Litigation Defense Fund	- 13,083.93	
TOTAL ON HAND - September 1, 1975		\$ 8,599.21

RECEIPTS:

Booklet Sales	\$ 136.84	
Test Manual Sales	1,492.84	
Members' Dues	11,250.00	
Interest on Savings	758.85	
ATI Meeting Expense Reimbursement	112.00	
Office Supplies/Repaid by Litigation Defense Fund	99.34	
Charged Expense	24.72	
	<u>\$ 13,874.59</u>	
From Litigation Defense Fund for Shoup Litigation	+ 2,576.68	
	<u>\$ 16,451.27</u>	
Members' Dues For Next Fiscal Year	+ 1,519.50	
TOTAL RECEIPTS		+ 17,970.77
		\$ 26,569.98

DISBURSEMENTS:

Legal--Services.....\$3,845.00)		
Expenses.....\$1,360.78)	\$ 5,205.78	
Incorporation Expenses	356.35	
Secretary's Gross Wages	2,945.97	
Taxes on Wages Paid by ATI, Inc.	235.35	
ATI Meeting Expense	2,743.41	
Secretary's Travel Expense	495.59	
Telephone	591.02	
Printing/Office Supplies	1,060.19	
Postage--Excluding Test Manual	528.13	
Postage--Test Manual	213.60	
Rental of Office Space	660.00	
Accountant/Caruso/1974-75	300.00	
ASTM Dues 1976	25.00	
Gifts/Flowers/Plaques	20.53	
Booklet Sale Refunds	45.25	
Insurance	164.00	
	<u>\$ 15,590.17</u>	
Shoup Litigation	+ 2,576.68	
TOTAL DISBURSEMENTS		- 18,166.85
BALANCE ON HAND - August 31, 1976		\$ 8,403.13

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Checking Account	\$ 928.75
Savings Account	7,462.72
Petty Cash Account	<u>11.66</u>

TOTAL AVAILABLE FUNDS - August 31, 1976 \$ 8,403.13

ASSETS AS OF August 31, 1976:

Total Funds As Listed Above	\$ 8,403.13
Accounts Receivable -- Test C-2 for Vanderbilt	5.57
Office Expenses/Litigation	107.46
Furniture & Equipment/Nominal Value	<u>1.00</u>

TOTAL ASSETS \$ 8,517.16

LIABILITIES AS OF August 31, 1976:

Accounts Payable -- Accrued Taxes on Wages	\$ 179.26
Members' Dues for Next F/Y	<u>1,519.50</u>

TOTAL LIABILITIES - 1,698.76

ACTUAL NET WORTH AS OF AUGUST 31, 1976 \$ 6,818.40

APPROVED BUDGET FOR FISCAL YEAR ENDING AUGUST 31, 1977:

INCOME:

Members' Dues	\$ 15,250.00
Interest on Savings	1,000.00
Booklet/Magnetite Sales	100.00
Test Manual Sales	<u>600.00</u>
	\$ 16,950.00

EXPENSES:

Legal Services	\$ 4,000.00
Legal Expenses	1,500.00
Incorporation Expenses	70.00
Secretary's Gross Wages	3,300.00
Taxes on Wages Paid by ATI	260.00
ATI Meeting Expense	2,800.00
Secretary's Travel Expense	700.00
Telephone	700.00
Printing/Office Supplies	1,100.00
Postage/Excluding Test Manual	700.00
Postage/Test Manual	100.00
Rental of Office Space	660.00
Accountant/Caruso	200.00
ASTM Dues	25.00
Gifts/Flowers/Plaques	400.00
Insurance	<u>200.00</u>
	\$ 16,715.00
Reserve	<u>235.00</u>
	\$ 16,950.00

FIBER PRODUCERS REPORT

Presented by Walter H. Smith, Sales and Technical Manager, Bell Asbestos Mines Ltd., at the 1976 Annual General Meeting of the Asbestos Textile Institute, Inc., held at the Savannah Inn and Country Club, Savannah, Georgia, October 8, 1976.

As a matter of interest to both Producers and Manufacturers, we have obtained figures showing the Production and Sales of Group 3 fibers from 1965 to 1976, inclusive. These are total Canadian figures and while we cannot ascertain what tonnages were sold to non-textile manufacturers, it certainly does not constitute a large percentage:

	<u>Sales</u>	<u>Production</u>
1965	30,000	30,000
1966	40,000	33,000
1967	38,000	43,000
1968	47,000	40,000
1969	45,000	38,000
1970	40,000	43,000
1971	34,000	38,000
1972	37,000	41,000
1973	39,000	34,000
1974	45,000	41,000
1975	26,000	22,000
1976	<u>34,000</u>	<u>34,000</u>
	455,000	437,000

The sales average per year of Group 3 fiber for the period 1965 to 1976, inclusive, was 38,000 tons. The average production per year for the same period was 37,000 tons. This 1,000 tons yearly shortage was obtained from the substantial inventories at the beginning of 1965. Present inventories are at a minimum. The highest tonnage sold in a given year was 47,000 in 1968 followed by 45,000 in 1974. The poorest year was 1965 with 30,000 tons followed by 1976 with forecast sales of 34,000 tons and this after a seven-month strike in 1975. The highest production was obtained in 1967 and 1970 with 43,000 tons and the lowest production results were recorded in 1965 and 1976 with 30,000 and 34,000 tons, respectively. The 1976 figure reflects the loss of the King-Beaver Mill and the loss of production at Canadian Johns-Manville Co. Ltd. as a result of the landslide.

You will note that the 1976 forecast of sales is approximately 25% less than 1974 in spite of the seven-month strike in 1975. It is our opinion that the supply will exceed the demand of Group 3 fibers in 1977.

In conclusion, because of increasing sales to certain parts of the world such as Eastern Europe and the Far East, it has been an extremely good year for Group 3 fiber sales despite a noticeable decrease in North American and Western Europe markets.

Fiber Producers Report -- 10/8/76 .

Sales of Grades 4, 5 and 6 for the asbestos-cement industry will continue to be an extremely short supply as a result of increasingly large demands from the developing countries.

Group 7 fibers, as a result of the decrease in demand for asbestos felt and paper, will probably be in over-supply.

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Attachment II/page 2 of 2

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TECHNICAL COMMITTEE REPORT

Presented by Acting Chairman W. Maaskant at the 1976 Annual General Meeting of the Asbestos Textile Institute, Inc., held at the Savannah Inn and Country Club, Savannah, Georgia, October 8, 1976.

IN ATTENDANCE:

Anatex Corporation -- W. Maaskant
Canadian Johns-Manville Co. Ltd. -- A. R. Morrill
Nippon Asbestos Co. Ltd. -- K. Mori; S. Shima
Raybestos-Manhattan, Inc. -- J. W. Hawkins
Southern Asbestos Company -- J. W. Echerd
Dr. S. J. Golub -- Chairman, ASTM Committee D-13 on Textiles

1) Briefly discussed the following Standards, all of which have been approved and cleared through ASTM Subcommittee D13.14:

D-315 -- Asbestos Tape, Woven
D-1571 -- Asbestos Cloth, Woven
D-628 -- Asbestos Sleeving
D-1113 -- Magnetic Rating
D-2100 -- Asbestos Electrical Properties

2) The following two ASTM Standards are on the agenda for discussion at the ASTM Committee D-13 Annual Meeting in New York City, October 19, 1976:

D-1918 -- Asbestos Content. A negative vote was received from Mr. Thomas Bainbridge
D-2100 -- Asbestos Electrical Properties. Some minor editorial details have to be cleared away.

3) As reported at the Committee's meeting held June 3-4, 1976, ASTM Standard D-299 contained an inaccuracy and it was, therefore, decided to add a Footnote to Paragraph 10.1.1. The Footnote is to read: "Note 7--Equation 1 as outlined in 10.1.1 can be used also to determine the yards per pound (yield) for any type of yarn -- Classes A through E." The question also arose as to where is Note 5.

4) The discussion on MIL-I-15349 will be continued between Southern Asbestos Company and Raybestos-Manhattan, Inc., and will be dropped from the agenda of the ATI Technical Committee. No further action is required or anticipated by ATI.

5) Dr. Samuel J. Golub indicated the importance of the ASTM D13.14/ATI Technical Committee to issue a technical paper. These STPD papers are introduced at a special seminar and later made available through ASTM.

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Technical Committee Report -- 10/8/76

6) ATI Handbook of Asbestos Textiles, 3rd Edition: The Handbook was analyzed and two observations were made. First, all ASTM Standards listed are now outdated. Secondly, it was suggested that mention should be made of the new method of making asbestos textiles from extruded yarns.

7) All ATI Technical Committee members will make an attempt to meet October 19, 1976, at the Belmont Hotel in New York City for the annual ASTM D13 Committee meeting.

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ENVIRONMENTAL COMMITTEE REPORT

Presented by Acting Chairman D. E. Childers at the 1976 Annual General Meeting of the Asbestos Textile Institute, Inc., held at the Savannah Inn and Country Club, Savannah, Georgia, October 8, 1976.

1) The meeting of the Environmental Committee commenced with a presentation by Dr. S. Golub of Fiber Research Laboratories concerning some research undertaken at FRL into a method for determining the amount of asbestos fibers in the workroom atmosphere. He proposes to use the standard Membrane Filter sampling method, although his method would differ greatly in preparation of samples prior to counting. Dr. Golub proposes to stain the sample with a dye that has an affinity for only asbestos fiber. The method would make a greater differentiation between the asbestos and the background materials. Judging from the possible errors with the present counting method, it appears the proposed research might be of real value. The Committee felt it should present the proposal to the Asbestos Information Association North America in an attempt to gain more participation. The proposal was given to I. E. Weaver for possible presentation to AIA/NA.

2) One company reported no success in reducing dust counts when using an electronic apparatus for charging airborne particles. Another firm reported continued success when the equipment is used in a more controlled workroom area.

3) The Committee again expressed concern that when taking dust counts an inspector could possibly make a judgment as to time-weighted average on the basis of only a few samplings. It was the Committee's contention that numerous samplings are necessary to obtain a realistic time-weighted average.

4) Considerable time was spent in discussing the most effective method of clean-up. Most companies are vacuuming wherever possible. Several companies are continuing to obtain better results when spraying equipment with guardian spray prior to vacuuming.

5) The Committee was attended by 16 members and one guest, as follows:

Anatex Corporation -- J. L. Rainey; H. H. Walter
Canadian Johns-Manville Co. Ltd. -- H. H. Hay
Cassiar Asbestos Corporation Ltd. -- P. Steen
Garlock of Canada Ltd. -- R. B. Pilmer
Lake Asbestos of Quebec Ltd. -- E. A. Farrell
Nippon Asbestos Co. Ltd. -- S. Shima
Raybestos-Manhattan, Inc. -- G. Ferrucci; R. H. Gordon; C. A. Kennedy; W. Krucke; R. C. Moebius; M. Q. Scowcroft
Southern Asbestos Company -- E. C. Bratt; D. E. Childers
TDA Industrial Products Ltd. -- E. J. Corson, Jr.

Dr. S. Golub -- Fiber Research Laboratories

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Attachment IV

FIBER RESEARCH AND TESTING SUBCOMMITTEE REPORT

Presented by Chairman R. A. Kuntze at the 1976 Annual General Meeting of the Asbestos Textile Institute, Inc., held at the Savannah Inn and Country Club, Savannah, Georgia, October 8, 1976

- 1) The Fiber Research and Testing Subcommittee of the ATI met October 7, 1976, at 9:00 a.m. with eight members and visitors present.
- 2) The round-robin program on the dust count method, which is in progress at the present time was discussed at some length. It was pointed out that a study on the coefficient of variation had been made and that a figure of 20-25% is used for determination of non-compliance. It was decided, therefore, to establish the coefficient of variation for a number of laboratories that carry out this test routinely. The purpose of the program is to establish the extent to which the 20-25% figure is realistic. The results of the on-going round-robin program are expected to be available shortly, even though some criticism can be expected because of the age of the samples used.
- 3) Mr. J. P. Wronski described a method of determining length distribution of spinning fiber which he developed some time ago. The method is perhaps best described as a modification and simplification of the Suter-Jobb comb which appears to be falling into disuse. It was decided to evaluate this method in several laboratories and report at the next meeting.

In this connection, the problem of wet classification, i.e., the Bauer-McNott and T&N Classifiers were discussed. It was pointed out that the T&N Classifier is used for spinning fiber using a 1/4" perforated plate in the top vessel. The committee decided to keep this development in mind but otherwise take no action at this time.

- 4) It was mentioned that several automatic or semi-automatic instruments for dust counting or measuring are available. These instruments are generally non-specific, that is, any kinds of particles are detected. A survey in progress at the present time seems to indicate that the Climet apparatus developed by Dow Chemical Company has a good correlation between dust readings and actual dust counts. A more comprehensive report is expected shortly.

- 5) As on previous occasions, the Committee would like to express again its concern over the absence of consumers from the membership of the Committee. This results in a lack of technical input and it is felt that this situation should be improved.

Attachment V

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