

GENERAL MEETING

Asbestos Textile Institute

October 6, 1967

William Hilton Inn, Hilton Head Island, South Carolina

In attendance:

AMERICAN ASBESTOS TEXTILE CORP.

J.L. Rainey
J.W. Christenbury
Wm. Maaskant
G.S. Fabel
H.H. Walter

GARLOCK, INC.

N.L.A. Martucci

JOHNS-MANVILLE CORP.

E.H. Wells
E.A. Schuman
W.C. Atkinson
C.L. Sheckler
W.C. Streib

H.K. PORTER COMPANY, INC.

J.A. Gallagher
J.D. McCluer
D.E. Childers

RAYBESTOS-MANHATTAN, INC.

W.S. Simpson
S.R. Zimmerman, Jr.
J.A. Brown, Jr.
G.F. Ducker
M.W. Oliver
J.W. Hawkins
B.Q. Scowcroft
R.B. Smith
J.P. Wronski

TALLMAN-MC CLUSKEY FABRICS CO.

J.L. Mitchell

UNIROYAL, INC.

R.P. Clark
D.T. Austin, Jr.
H.M. Willingham
S.J. Peele, Jr.
F.C. Phillips
W.L. Wylie

ASBESTOS CORPORATION LIMITED

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

BELL ASBESTOS MINES LIMITED

Wm. J.W. Smith
R. Dodds-Hebron

LAKE ASBESTOS OF QUEBEC LTD.

E.A. Farrell
K.W. Nelson

CADWALADER, WICKERSHAM & TAFT

P. Jay Flocken (Legal Counsel)

ASBESTOS TEXTILE INSTITUTE

H.E. Sunbury (Secretary)

U.S. Public Health Service

Dr. L.J. Cralley

***** Minutes *****

1. President Rainey called the meeting to order at 9:40 A.M., and asked each person in attendance to stand and identify himself and his company affiliation. He mentioned that it was particularly gratifying to have the following company officials present at this Annual Meeting: Mr. W.S. Simpson, President - Raybestos-Manhattan, Inc.; Mr. S.R. Zimmerman, Jr., Exec. Vice President, Raybestos-Manhattan, Inc.; Mr. E.H. Wells, Vice President & Gen. Mgr., Johns-Manville Corp.; Mr. W.L. Wylie, Vice President & Gen. Mgr., UNIROYAL, INC. Also welcomed to the meeting were: Geo.S. Fabel, President of A.T.I. in 1949-1950; Dr. L.J. Cralley, U.S. Public Health Service; and F.C. Phillips, Marketing Manager of UNIROYAL, INC.

2. The minutes of the last meeting were presented for reading. Mr. J.A. Brown, Jr., moved that reading be omitted; seconded by Mr. N.L.A. Martucci. So voted.

3. The Financial Report was presented by Treasurer Martucci. Mr. E.A. Schuman moved that report be accepted; Mr. J.A. Brown, Jr., seconded the motion, and it was so voted. The Report is attached to these minutes.

4. Mr. P.Jay Flocken, Legal Counsel, discussed some of the legal aspects of voluntary product standards and certification programs. Mr. Flocken first analyzed the antitrust considerations relevant to individual company and trade association participation in the initiation, formulation, and approval of voluntary standards. He stated that standardization or simplification have been attacked in cases alleging price-fixing where such a program was utilized as part of a broader effort to secure uniformity of prices or to limit production and to indirectly reduce price competition.

The legality of a standards program does not depend upon the mere existence of an agreement to standardize but upon an appraisal of the program in the setting of all the circumstances, counsel stated. He briefly reviewed several cases including United States v. National Malleable and Steel Castings Company, The Douglas Fir Plywood Association and Asbestos-Cement Pipe cases.

Counsel also discussed two forms of certification, self-certification by a producer that a product complies with a given standard and third-party certification by a trade association or testing laboratory in conjunction with a registered certification mark under the trademark laws. Counsel discussed various specific certification marks registered under the Lanham Act and the provisions of that act providing for cancelation of a mark if the registrant discriminates or refuses to certify goods or services which meet the standards involved. Counsel noted that two requisites for a valid certification program using a trademark are "control" of use of the mark and availability of the mark to anyone maintaining the standards which the mark certifies, whether or not a member of the certifying organization. In this regard, the Supreme Court's decision in the case of Radiant Burners v. American Gas Association was noted.

5. The Fibre Producers Report was given by Mr. P.P. Carson, Vice President - Sales, Asbestos Corporation Limited. He mentioned that slow economic conditions in several countries had adversely affected total shipments of Canadian asbestos fibres in the first eight months of this year - down 8.8% - however, total sales of spinning fibres were up about 1% in that period. Group 4 fibres for use in asbestos-cement products were off, as were spinning fibre sales in Italy, France and Germany. Japan has made a good recovery. The embargo on Rhodesian fibre continues. However, some Rhodesian is reaching markets thru a third country.

6. President Rainey introduced Dr. Clinton H. Whitehurst, Jr., Head, Dept. of Industrial Management, Clemson University, Clemson, S.C., who gave a most interesting talk entitled: "Operations Research Techniques". We were privileged indeed to have the opportunity to hear Dr. Whitehurst, a well-known authority in the field of

Industrial Management. An abstract of his talk follows:

ABSTRACT

"It is profoundly erroneous truism, repeated by all copy books and by eminent people when they are making speeches, that we should cultivate the habit of thinking of what we are doing. The precise opposite is the case. Civilization advances by extending the number of important operations which we can perform without thinking about them."

The above quotation by Alfred North Whitehead was both an introduction and, in fact, a summary of the address "Operations Research Techniques" delivered by Dr. C.H. Whitehurst of Clemson University before the Asbestos Textile Institute at Hilton Head, South Carolina on October 6, 1967.

In specific terms the address covered in capsule form ten OR techniques that could be utilized in a typical industrial organization. Each technique was illustrated by a simple example designed to show its potential as an aid to management decision making. Included were examples making use of linear programming, Markov processes, econometrics, multiple graphic correlation analysis, input-output models, matrix algebra, industrial dynamics, and a Monte Carlo simulation model. In each case the relevance of the technique to computer programming was emphasized.

The large number of techniques discussed was made possible by distributing handouts to the audience which contained the specific example, relevant technique, and at least one library reference. The handouts together with explanatory illustrations on an easel board was successful in imparting the potential for OR analysis in a firm's operations.

7. Jack Christian, President of Cassiar Asbestos Corporation Ltd., wrote the Secretary prior to this meeting that neither he nor Tom Tiggert would be able to attend due to the fact that their new Clinton mine, at Clinton Creek, B.C., was due to start production and they would be busy there. President Rainey asked Mr. Wm.J.W. Smith, Bell Asbestos Mines Limited, sales representatives for Cassiar, to tell us something about the new mine.

Mr. Smith said the Clinton Mine is 600 to 700 miles north of the present Cassiar mine, close to the border of Alaska. Problem of transporting fibre is somewhat similar to shipments from Cassiar. The type of fibre from the Clinton Mine is generally similar to Cassiar fibre, but there could be some considerable differences. There are both long and short fibres - but Clinton will produce primarily #4 Group fibres, and a secondary grade will be Group 5. Because yield from ore is never precisely known in advance, Mr. Smith stated that perhaps grades may be produced, other than those presently anticipated.

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

Air Hygiene & Manufacturing Committee - W.C. Atkinson, Chm.
Sales Promotion Committee - E.A. Schuman, Chm.
Technical Committee - J.D. McCluer, Chm.
Fiber Testing Committee - J.P. Wronski, Chm.

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

9. All four of the committee chairmen have now completed the normal two years service, and President Rainey expressed sincere appreciation on behalf of the Board of Governors and Members of the Institute for the faithful and efficient performance of their duties. A review of the minutes for the past two years gives abundant proof of the great amount of work done by each committee under their capable leadership.

10. Mr. J.A. Brown, Jr., Chairman of the nominating committee, reported that the members of the Board of Governors for the coming year would be:

J.A. Brown, Jr. - Raybestos-Manhattan, Inc.
E.A. Schuman, - Johns-Manville Corporation
J.L. Rainey - American Asbestos Textile Corp.
J.A. Gallagher - H.K. Porter Company, Inc.
J.L. Mitchell - Tallman-McCluskey Fabrics Co.
G.P. Wiess - GARLOCK INC.
R.P. Clark - Uniroyal, Inc.

11. Mr. J.A. Brown, Jr., informed the members that the Board of Governors had met on October 5, 1967, and re-elected incumbent officers to serve for another year, namely: President - J.L. Rainey
Vice President - E.A. Schuman
Treasurer - N.L.A. Martucci

12. President Rainey announced that the Board of Governors had appointed new committee chairmen as listed below:

Air Hygiene & Manufacturing - H.H. Walter, American Asb. Tex. Corp.
Sales Promotion - M.Q. Scowcroft, Raybestos-Manhattan, Inc.
Technical - J.W. Hawkins, Raybestos-Manhattan, Inc.
Fiber Testing - G.F.A. Brink, Asbestos Corporation Ltd.

13. President Rainey informed the members that the application of HILADOS Y TEJIDOS DE ASBESTO, S.A., Toluca, Mexico, for Associate Membership in A.T.I. had been approved by the Board of Governors. This fine company is a leading manufacturer of asbestos textiles as well as other asbestos products, in Mexico. We are very pleased to welcome them as a new member of the Institute.

14. The next General Meeting of the Institute will be held at the Hotel Roosevelt, New York City, on February 8th and 9th, 1968. Registration is on February 7th. We anticipate an interesting meeting.

15. There being no further business to come before the meeting, it recessed for luncheon to which wives of members had been invited. There were approximately thirty ladies present, making the luncheon a most enjoyable affair. There was a great deal of favorable comment on the choice of the William Hilton Inn as location for this meeting, and many expressed the hope that we could return for some future meeting. Following luncheon the meeting adjourned.

Respectfully submitted,

H.E. Sunbury
H.E. Sunbury
Secretary

() ASESTOS TEXTILE INSTITUTE

Report of Funds

September 11, 1967

Balance On Hand at Last Report (May 8, 1967)

General Fund	\$ 5924.20
Savings Fund	19589.74
Petty Cash Fund	4.93

\$25518.87

Receipts

To Savings Fund (Interest)	218.60
To General Fund (Handbook Acct.)	3218.01
To General Fund (Book Sales)	151.47
To General Fund (1967 Dues)	500.00

4088.08

Total On Hand and Received

\$ 29606.95

Disbursements

Legal Retainer (6 mos. ending 8/31/67)	1000.00
Legal expenses (" " " ")	161.64
Secretary's salary (4 mos.)	478.00
F.I.C.A. Tax (2nd Qtr, 1967)	33.00
Secretary's travel	160.00
Office rent (4 mos.)	300.00
Revision of ASTM Specs. (Travel Exp.)	312.14
Printing & Office supplies	193.63
Stenographic expense	20.00
Meeting expense (June 1967)	1018.50
Telephone (4 mos.)	182.63
Handbook Exp. (Copyright)	6.00
Petty Cash (Vouchers 310-327 incl.)	61.23

3926.87

Balance On Hand Sept. 11, 1967

\$ 25680.08

Funds

General Fund (Bank Statement of 9/11/67)	\$ 832.97
Savings Fund (Interest to June 30, 1967)	24808.34 (*)
Petty Cash Fund	38.77

Total Funds

\$ 25680.08

Assets as of Sept. 11, 1967

General Fund	\$ 832.97
Savings Fund	24808.34
Petty Cash Fund	38.77
Accts Receivable (Book Sales)	31.71
Postage on hand	3.49
Furniture & Equipment (Nominal Value)	1.00

Total Assets

\$ 25716.28

Liabilities (None)

Net Worth

\$ 25716.28

(*) \$5000.00 transferred from General to Savings Fund on May 29, 1967.

Respectfully submitted,
H.E. Sunbury
H.E. Sunbury, Asst. Treasurer

Minutes

ASBESTOS TEXTILE INSTITUTE
Air Hygiene and Manufacturing Committee
October 5, 1967
William Hilton Inn
Hilton Head Island, S. C.

Attended:

Members: W.C. Atkinson, Chairman - Johns-Manville Products, Corp.
C.L. Sheckler - " " " "
R.D. Smith - Raybestos-Manhattan, Inc.
J.A. Gallagher - H.K. Porter, Inc.
H. Willingham - Uni-Royal, Inc.
H. Walter - American Asbestos Textile Corp.
K.W. Nelson - American Smelting & Refining

Absent: T.D. McCluskey - Tallman McCluskey Fabrics Co.
L. Garrison - Garlock, Inc.
A.C. Link - Uni-Royal, Inc.
L.C. Williams - Raybestos-Manhattan, Inc.

Visitors: Dr. L.J. Cralley - U.S. Dept. of Health, Education & Welfare

Bausch & Lomb Automatic Dust Counter

The Chairman reported that the order for the 40-2 Automatic Dust Counter had been placed including auxiliary equipment. The order was as follows:

1 - #379940-2 Dust Counter	- \$3,985.00
1 - #370106-31 VOM-5 Recorder	- 675.00
1 - Plastic dust cover for VOM-5 Recorder	- 5.50
1 - 37-00-7643 VOM Recorder Carrying Case	- 25.00
10 - Rolls of chart papers recommended by B&L suitable for industrial dust counting in M.P.P.C.F.	
2 - Sets of printed operating instructions	

Delivery was requested to be in person by a B&L representative to W.C. Atkinson at Johns-Manville Products Corp., in Manville, N.J. Delivery is expected some time in December. In the event W.C. Atkinson is not available, Mr. C.L. Sheckler will accept delivery.

Upon delivery Mr. Sheckler will arrange to have his chief technician checked out on the instrument and at the February meeting he will instruct the other members in its use.

Federal Legislation

C.L. Sheckler discussed a bill introduced by N.J. Congressman Edward Patten which would give the U.S. Dept. of Health, Education and Welfare the power to "establish and enforce realistic standards to protect the worker by insuring safer working conditions and the public by producing safer materials". The bill has not yet been passed and there is some question whether it will be passed as written.

Federal Legislation - Continued

A number of newspaper articles regarding claims against one member company were discussed.

Environmental Health Survey

Dr. Lewis J. Cralley discussed a paper on "Exposure to Metal in the Manufacture of Asbestos Textile Products" by L.J. Cralley, R.G. Keenan and J.R. Lynch, which was accepted for publication in the Journal of American Hygiene.

The paper deals with the potential exposures of workers processing asbestos to hazardous materials other than asbestos. Investigation was undertaken to define the nature and extent of exposure to metals such as nickel, chromium, cobalt and magnesium in the manufacture of asbestos textile products.

It was concluded that the relationship between these metal exposures and the increased pulmonary and other cancer observed in asbestos workers should be investigated and, that it is no longer tenable to look only for asbestos fibers or bodies in the biological tissue and by their presence assume a cause and effect relationship with the disease.

It was announced that there will be a meeting in Antigua during the week of Thanksgiving Day, sponsored by the Q.M.A. and by special invitation. The purpose of the meeting is to discuss toxic materials, namely asbestos, and the effects of exposure.

Dr. Cralley discussed plans for obtaining additional information needed to continue the Environmental Health Survey such as health profiles and employment records, and he stated that the cooperation of the members of the industry would be needed.

It was the consensus of the Committee that the program and information is desirable and necessary and recommends to the Board of Governors that the A.T.I. continue to cooperate with the U.S.P.H.S. in continuing the clinical and environmental studies.

Miscellaneous

One company reported that after 14 years of service a set of dust bags made of cotton sateen was still in good condition.

Another company is experimenting with a totally enclosed carding machine to eliminate human exposure to dust.

The possibility of exchange visits among representatives of member companies for the purpose of cooperative advancement in dust control was discussed.

W.C. ATKINSON, Chairman

**SALES PROMOTION COMMITTEE MEETING
ASBESTOS TEXTILE INSTITUTE
October 5, 1967
At WILLIAM HILTON INN, HILTON HEAD ISLAND, S.C.**

Attending our meeting were Messrs. J.L. Rainey and J.W. Christenbury of American Asbestos Textile Corp., N.L.A. Martucci of Garlock, Inc., J.A. Brown, Jr., M.Q. Scowcroft and S.R. Zimmerman of Raybestos-Manhattan, Inc., J.L. Mitchell of Tallman-McCluskey Fabrics Co., R.P. Clark and S.J. Peele, Jr., of UNIROYAL, INC., P.Jay Flocken (legal counsel), H.E. Sunbury (secretary), and E.A. Schuman of Johns-Manville.

The four display cabinets are currently on exhibit at Stevens Institute at Hoboken, N.J. Mr. Sunbury and myself examined the cabinets and found they were in need of refurbishing. The Committee voted unanimously to retire the cabinets as they are 10 years old and have served the original purpose. It was voted that we offer the cabinets to our Canadian miners.

We had the Edward W. Robotham Co. submit a proposal to the A.T.I. on promoting asbestos textiles by A.T.I. magazine advertising coupled with mailed promotional literature. Preliminary ads were presented and created much interest. The Committee felt that tentatively a segment of the presentation may have merit and should be pursued. The cost for this program would run approximately \$18,000 a year. A tentative meeting was set for November with Mr. Robotham, but this was later postponed and the whole matter taken under further advisement.

It was reported that asbestos textile volume still comes in from Japan and this competition is felt to a small degree throughout the United States. The cloth prices quoted for Japanese material is in the low 70¢ lb. area.

The members of the Committee were not pleased with the U.S. Government's policy of ordering asbestos cloth. It is possible for the successful bidder to be required to supply double the quantity he bid on and to supply this material by specified time periods. On the other hand, there is no assurance that the Government at the end of the contract period will take the balance of the cloth inventory that was kept on hand to satisfy the requirements of the contract. Mr. Flocken, our legal counsel, suggested that we give him full details with specific orders and he would pursue this through his Washington office.

E.A. Schuman
Chairman

EAS/p

MINUTES: Asbestos Textile Institute
Technical Committee Report
October 5, 1967

The meeting was held at William Hilton Inn, Hilton Head Island, South Carolina

IN ATTENDANCE: J. W. Hawkins - Raybestos-Manhattan, Inc.
William Maaskant - American Asbestos Company
D. T. Austin - UniRoyal, Inc.
J. D. McCluer - H. K. Porter Company, Inc.
H. E. Sunbury - Asbestos Textile Institute

The Minutes of the meeting in Atlanta on August 17th. & 18th. at Marriott Motor Hotel are combined with the current meeting.

ATTENDANCE AT ATLANTA MEETING:

J. W. Hawkins - Raybestos-Manhattan, Inc.
D. T. Austin - UniRoyal, Inc.
W. Maaskant - American Asbestos Company
G. E. Houghton - Garlock, Inc.
J. D. McCluer - H. K. Porter Company, Inc.
P. J. Smith - ASTM
H. E. Sunbury - A. T. I.

SUBJECTS DISCUSSED:

Revision of ASTM Specifications D 299, D 375, and D 1061

At the Atlanta meeting D 299 was revised as the 8th. Draft dated August 17, 1967 and D 375 was revised as the 3rd. Draft dated August 17, 1967. These two were consequently sent to Paul Nicodemus (25 copies of each draft) for letter ballot and to Dr. Scroggie (7 copies of each draft) for editorial comments. During the interim a reply from Dr. Scroggie accepted these two drafts as written with very minor changes and he said the two drafts would be acceptable for printing with the changes he suggested. To gain time, a letter ballot was circulated to all members of the committee with the response that Dr. Scroggie suggestions would be acceptable. Without redrafting, these changes were retyped in the margins of the sheets and resent to Paul Nicodemus and Dr. Scroggie. For all practical purposes this finalizes these two specifications.

Also at the Atlanta meeting, D 1061 was revised as the 1st. Draft dated August 18, 1967. This draft was circulated to members only for possible discrepancies.

At the current meeting, the committee confirmed acceptance of all the changes suggested by Dr. Scroggie in D 299 and D 375.

D 1061 was reviewed and no sufficient changes made. Decision was made to send Paul Nicodemus a copy of this draft for his views prior to sending to Dr. Scroggie.

At the Atlanta meeting federal specifications Mil-1-15349c and SS-C-466f were revised in the light of current industry practice, both editorially and in the dimensions and weights tables. Copies of these revisions were circulated to members only for possible discrepancies.

At the current meeting, these two specifications were discussed again with further changes and decision was made to send revised copies to the appropriate government agencies, with a list of suggested changes in addition to the corrected draft. Copies of all ASTM specifications referred to in the drafts are to be enclosed for the benefit of the agencies.

The revised drafts with suggested changes on the two above specifications will be sent to H. E. Sunbury for him to submit to the appropriate government agencies with the statement that these drafts supersede all prior recommendations sent in by individual companies.

In conclusion, the committee, during the past two years, has completed revisions on specifications D 1571 - Cloth, D 315 - Tape, D 2100 - Electrical Insulation, D 1916 - Asbestos Content, D 299 - Yarn, D 375 - Roving, and partially completed revision of D 1061 - Lap. The specifications yet to be revised are: D 628 - Braided Tubing, D 1118 - Magnetic Rating, and D 1573 - Heat Ageing.

J. D. McCluer
Chairman of the Technical Committee

Minutes: FIBER TESTING COMMITTEE
October 5-6, 1967
William Hilton Inn,
Hilton Head Island, S.C.

Attending:

G.F.A. Brink
D.E. Childers
R. Dodds-Hebron
E.A. Farrell
W.C. Streib
J. Wronski

Asbestos Corp., Ltd.
H.K. Porter, Inc.
Bell Asbestos Mines, Ltd.
Lake Asbestos of Quebec, Ltd.
Johns-Manville Corp.
Raybestos-Manhattan, Inc.

Subjects Discussed

1. The Committee discussed the results of the round-robin magnetic rating tests. Ten companies participated in the tests.

Analysis of the test data led to the following tentative conclusions:

- a) Magnetic rating values obtained by either the Mapes Analyzer or the Turner-Newall equipment are not significantly different for fiber samples containing magnetite in the range of 0.3 to 6.0 magnetic rating.
- b) Magnetic rating values obtained on either the Mapes or T-N units are not significantly altered by the presence of metal in the immediate vicinity of the equipment provided the units are properly zeroed prior to test and the units are not moved from their locations after zeroing.
- c) Readings on either the Mapes or T-N units are not significantly changed when the test sample is rotated in the unit.
- d) Mapes or T-N magnetic rating values reported on fiber samples in the 0.3 - 6.0 M.R. range will probably vary by about $\pm 20\%$ between laboratories.

Some of the laboratories want to re-check their values in the round-robin. As soon as this is completed more positive conclusions can be reached.

2. The Committee agreed to request approval from the Board of Governors to allow the QAMA to set up a schedule of charges on requests for working drawings of test equipment described in the Test Manual. These drawings were prepared by the QAMA at appreciable cost in time and money. Their dissemination to applicants also takes time and money. The actual charges agreed upon by QAMA would then be submitted to the Board of Governors for final approval.

Respectfully submitted,

J. Wronski