



MINUTES: Asbestos Textile Institute
Technical Committee Report
June 8, 1967

The meeting was held at Lucerne Hotel Annex, Montreal, Canada

ATTENDANCE: William Maaskant - American Asbestos Company
Dan F. Quasly - American Asbestos Company
J.W. Hawkins - Raybestos-Manhattan, Inc.
I. Barnett - Johns-Manville Corporation
G. E. Houghton - Garlock, Inc.
D. T. Austin - Uniroyal, Fiber & Textile Inc.
J. D. McCluer - H. K. Porter Company, Inc.
Walter Deckman - Turner & Newall limited
Paul Smith - ASTM

SUBJECTS DISCUSSED:

Revision of ASTM Specifications D 299 and D 375

Since the last regular meeting in February, the committee had an intermediate meeting on May 11th. and 12th. at ASTM Headquarter, Philadelphia, Pennsylvania. On the first day of this meeting, Thursday, further revision was made on D 299, Yarn, wherein the discussion was based on comments and recommendations from Dr. Scroggie's Sc-6 Committee, most of which were accepted, and by way of this discussion, the 6th. Draft of D 299 was set up. Dr. Scroggie met with the committee on that day, and it was believed by all members present that this draft was a very acceptable version which would require very little editorial change.

On the second day, Friday, of this meeting, the committee set up the 1st. Draft of D 375, Roving. The reason for selecting Roving next was due to it's similarity to D 299.

Revision of ASTM Specification D 1118

Also, on Friday of this meeting, Paul Nicodemus met with the committee and D 1118, Test for Magnetic Rating, was discussed with Paul Nicodemus leading the discussion. Since this will be a long range project, it was decided to start the project with a "pound robin" test wherein John Hawkins, who is chairman of the Subcommittee, offered to prepare the samples. There were to be two sets of samples, one set for the Hapes Magnetic Analyzer, 10 gram sample, and one set for the T. & K. Magnetic Analyzer, 15 gram samples. Samples were to be prepared and sealed so that the same identical samples could be circulated and tested by all members. Each set of samples were to be prepared from asbestos fibers of the following

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approximate magnetic ratings: 0.25, 0.75, 2.0, and 4.0 MR, it being understood that the samples in one set would not necessarily be of the exact MR as those of the other set. These were to be sent to all members of A.T.I. and Subcommittee A-4 who have the ASTM and/or T. & N. instrument(s). Members were to test samples, report to John Hawkins, and send samples on according to a pre-arranged routing. Included in the series of tests were to be testing the set of standards furnished with the T. & N. instrument and testing of a set of standards prepared by the late Dr. Shaw for the ASTM instrument.

In attendance at the May 11th. and 12th. meeting were:

William Hassken.....	American Asbestos Company.....	May 11th. & 12th.
J. W. Hawkins.....	Raybestos-Manhattan, Inc.....	May 11th. & 12th.
I. Barnett.....	Johns-Manville Research Center.....	May 12th.
Phil Rogers.....	Johns-Manville Research Center.....	May 11th.
G. E. Houghton.....	Garlock, Inc.....	May 11th. & 12th.
Gary Garrison.....	Garlock, Inc.....	May 11th. & 12th.
D. T. Austin.....	Uniroyal, Fiber & Textile, Inc.....	May 11th. & 12th.
J. D. McCluer.....	H. K. Porter Company, Inc.....	May 11th. & 12th.
H. E. Sunbury.....	Asbestos Textile Institute.....	May 11th. & 12th.
P. Smith.....	ASTM.....	May 11th. & 12th.
Dr. A. G. Scroggie.....	ASTM.....	May 11th.
R. U. Nicodemus.....	General Electric Company.....	May 12th.

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At the committee's present meeting of June 8th., the Fiber Testing and Technical Committees met jointly for a brief time and re-discussed the project on magnetic rating and "round robin" test. The decision reached at this joint meeting was that since the Fiber Testing Committee had already sent out to all members samples for the T. & N. instrument with detailed instructions for the test, that it would be less confusing to follow through on this series of tests before embarking on a new series as planned at the May 12th. meeting of the Technical Committee. Samples were distributed to all member early in the year by the Fiber Testing Committee consisting of asbestos fibers over a range of M. R.s accompanied with instructions for testing the samples. Samples were to be tested by rotating 90°, 180°, and 270° to ascertain effect of sample position. Also the effect of adjacent bodies was to be determined by placing a heavy steel pipe near the T. & N. instrument to see what effect this would have on the reading.

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Revision of ASTM Specification D 299 and D 375

Following the May 11th. and 12th. meeting, the 6th. Draft of D 299 and the 1st. Draft of D 375 as set up at that meeting were sent to Dr. Scroggie for comments. Replies on both were received prior to our present meeting. Most of the changes recommended were accepted in D 299 and by reason of the similarity of the two specifications, the recommended changes in D 375 would be equally acceptable. These two will be rewritten as the 7th. Draft of D 299 and the 2nd. Draft of D 375 and after a circulation for possible discrepancies, will be submitted for letter ballot to A-4 prior to their fall meeting.

Questions came up from Dr. Scroggie and Mr. E. Lincoln regarding the following:

- 1) Should separate columns be inserted in the yarn and roving Tables for meters per kilogram and for tex numbers? Paul Smith consulted the latest ASTM ruling and found that conversion factors in foot notes will suffice.
- 2) To use $\pm 10\%$ tolerance for yards per pound on single yarn, on average of five bobbins and withdraw tolerance on individual test. This is in contrast to the current specification of $\pm 8\%$ on the average test and $\pm 15\%$ on the individual test. The committee's decision was to retain the present tolerance.
- 3) The suggestion that a new Note 4 be inserted which refers to D 1244, Recommended Practice for Designating Yarn Construction was not accepted by the committee. Committee's decision was that it applied to cotton and not to asbestos. It would conflict and confuse.
- 4) Are the illustrations "S" and "Z" for twist necessary? The opinion of the committee was that they are necessary and are essential to readers.

The committee met August 17th. and 18th. as the next intermediate meeting of the Technical Committee in Atlanta. Paul Smith is making a meeting room reservation for those dates at the Marriott Motor Hotel.

J. D. McCluer
Chairman of the Technical Committee