

Committee Document-Not for Publication



**AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS  
TECHNICAL COMMITTEE ON RESEARCH (C3)**

**Report of the 344th Meeting  
Wednesday, November 16, 2011 – 5:45-6:45 pm**

The 344th meeting of the Technical Committee on Research took place on Wednesday, November 16, 2011. Bert Truesdale, TCR chair, convened the meeting at 5:45 pm.

The following members were present:

Rembert J. Truesdale TCR Chair  
Angela Massengill, TCR Vice Chair  
Christopher S. Leonard, TCR Secretary

Mary Brannon  
Adi Chehna  
Fred L. Cook  
John Y. Daniels  
Lisa Earnshaw  
Elizabeth Eggert  
Leonard T. Farias  
Susan Gassett  
Kenneth Greeson

Peter J. Hauser  
Paul L. Johnson  
Norma Keyes  
Calvin Lam  
Robert K. Lattie  
Jodi B. Lynch  
Carla MacClamrock  
Susan L. Matter  
Shawn P. Meeks

Joe Nilsen  
Steve Simonson  
Jerry G. Tew  
Michael Tyndall  
Adam Varley  
Michele Wallace  
Todd Wernicke  
Heidi Woodacre

**Others Present:**

Henry Boyter Jr.  
Aaron Creech  
John Crocker  
Tricia F. Day

Perry Grady  
Suzanne Holmes  
Karen Kylo  
Karen Mueser

Peggy J. Pickett  
Daniel Sabou  
Erika Simmons  
Diana Wyman

**Announcements:** Chair Truesdale announced upcoming programs, the next one being a three-day program in Long Beach, California (Denim and Fashion Garment Washing: What's New, Innovative & Sustainable) and (Performance & Outerwear: Optimizing through Innovation) on December 7-9, 2011. Truesdale also announced that AATCC is still offering monthly Webinars and eLearning Modules. Please check the web site for these offerings, [www.aatcc.org](http://www.aatcc.org).

Truesdale also announced that the deadline for submitting nominations for the 2012 TCR Service Award has been extended to December 16, 2011. If you know of a deserving senior individual member of AATCC, please submit the nomination by December 16<sup>th</sup>. You may access the criterion for this Award by clicking on <http://www.aatcc.org/general/awards/TCR.htm>. You may also access the nomination form at the same link.

**RA23, Colorfastness to Water:** A committee ballot will be submitted to propose removing “freshly boiled” from Method 107 (Colorfastness to Water) and replacing it with “deionized or distilled water.” The types of ovens used in TM 107 are also being investigated. An interlab study will be performed with three participants for three oven types (for a total of nine determinations). Robert Lattie of SDL Atlas will provide definitions of the different oven types. Ellen Roaldi of Bureau Veritas, chair of RA23, has prepared a protocol to use in this interlaboratory trial. The committee was asked to reference AATCC Evaluation Procedure 10 (Multifiber Adjacent Fabrics: Evaluation of) relating to multifiber in test methods utilizing multifiber. It has been decided that this needs further discussion during the RA59, Fibrous Test Materials, meeting which will revolve around whether to include a specification or mention of a control multifiber that other multifibers need to match. There were no volunteers to be chair of the committee so Ellen Roaldi, current chair, has agreed to act as chair for 2012.

**RA24, Fiber Analysis:** Negatives on the RA24 committee ballot for TM20A (Fiber Analysis: Quantitative) to add 4% Lithium Chloride in N-N Dimethylacetamide as a solvent for *meta-aramid* fibers were resolved and this method is now being submitted to TCR Ballot. Results of the 80 laboratory international polyester/wool and rayon/linen Proficiency Trial (PT) were reviewed and results indicated agreement between labs identifying via microscopy and labs identifying via chemical separation. It was agreed that the nominal value placed on the fabric (chief weight linen) was incorrect. An email will be sent to all PT participants to find out whether they used a correction factor for chemical separation work. After a review of the responses they will be forwarded to RA24 so that a committee consensus can be reached and appropriate modifications can be made to TM20A (Fiber Analysis: Quantitative), Note 17.7. Analytical techniques of Micro FTIR, DSC, Proton and Carbon NMR were reviewed as they apply to polyester, Triexta and PBT polyester. It was noted that the Federal Trade Commission has opened a period of comment and review on the Rules and Regulations under the Fiber Products Identification Act.

**RA31, Antimicrobial Activity:** The recent RA31 committee ballot on the proposed revision of TM 100 (Antibacterial Finishes on Textile Materials: Assessment of) resulted in five comments with affirmative votes (mostly editorial) and no negatives. TM 30 (Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials) is also being reviewed and updated. Regarding Part I of the method, a lab that performs the test has been found to assist with reviewing. The new Antimicrobial Proficiency Program had 24 labs participating in the October 2011 program but all results are not in yet. Once received, Bill Hanrahan, Antimicrobial Consultant, and chair of RA31, will pass along to the committee for review and comment.

**RA33, Colorfastness to Atmospheric Contaminants:** Shawn Meeks of Testfabrics has agreed to be the new chair of RA33 for term 2012-2014 if Tom Klaas will relinquish his voting rights. (Secretary's Note: Mr. Klaas has agreed; therefore, Shawn Meeks will be the new chair of RA33 for term 2012-2014). The supply of the control ribbon for TMs 23 (Colorfastness to Burnt Gas Fumes) and 164 (Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidities) stands at a 6-8 month supply. An alternate violet ribbon has been proposed and tested using TM 23. Additional exposures were conducted using TM 164 and, so far, show good results. The remaining interlab exposures were not received prior to the meeting, but Chris Leonard of AATCC will try to obtain the results to send to the committee for approval. It was stated that a new control ribbon for TM 109 (Colorfastness to Ozone in the Atmosphere under Low Humidities) would be appreciated. Mr. Meeks of Testfabrics will send samples of the violet ribbon to Ellen Roaldi of Bureau Veritas for testing and comparison. Stacy Cain of Intertek will give an update at the May 2012 meeting on the purities of N-Butane. Alan Buttenhoff of Shaw Industries brought a question concerning the instrumental end point reflected in TM 129 (Colorfastness to Ozone in the Atmosphere under High Humidities). (Secretary's Note: The agreed new instrumental end point for the TM 129 nylon sleeve has been confirmed as accurate and has already been updated in the TECHNICAL MANUAL.)

**RA34, Preparation:** Currently, an interlaboratory study is continuing to evaluate the Society of Dyers and Colourists (SDC) neutral soap for AATCC Method 89 (Mercerization in Cotton) as a suitable replacement of the AATCC standard neutral soap. The committee is awaiting results from one additional testing laboratory. Three laboratories are involved with the round-robin testing. The proposed revision to the method is close to being submitted for a committee ballot. Dr. Changhai Xu, a post doctorate at North Carolina State University, presented "Neutral Bleaching of Cotton with Reduced Environmental Impact," to the committee. There are several test methods due for reaffirmation or revision in 2012. They are Methods 81 (pH of the Water-Extract from Wet Processed Textiles), 82 (Fluidity of Dispersions of Cellulose from Bleached Cotton Cloth), 89 (Mercerization in Cotton), 98 (Alkali in Bleach Baths Containing Hydrogen Peroxide), 102 (Determination of Hydrogen Peroxide by Potassium Permanganate Titration) and 144 (Alkali in Wet Processed Textiles: Total). Punita Patel of Fred David has volunteered to be the secretary of the committee starting in 2012.

**RA36, Color Measurement:** TM 110 (Whiteness of Textiles) has been revised and will be submitted to committee letter ballot regarding the tint constraints. The subcommittee formed to work on a reactivation of TM 148 (Light Blocking Effect of Curtain Materials) will prepare a new draft and send to RA36 members for review prior to balloting. The subcommittee on proposed changes to EP9 (Visual Assessment of Color Difference of Textiles) on studying the illumination level will continue with the selection of samples and decisions on specifying test parameters. The subcommittee on EP11 (Spectrophotometer UV Energy Calibration Procedure for Optically Brightened Textiles) will plan an additional meeting to discuss the UV set point. Evaluation Procedures 1 (Gray Scale for Color Change), 2 (Gray Scale for Staining) and 12 (Instrumental Assessment of Degree of Staining) will request editorial comments prior to submittal to a

committee ballot. Renzo Shamey of North Carolina State University was nominated and approved as the new chair of RA36 for 2012-2014. Brooks Tippet of Pantone was appointed as the new secretary.

**RA38, Colorfastness to Crocking:** AATCC Methods 8 (Colorfastness to Crocking: Crockmeter Method) and 116 (Colorfastness to Crocking: Rotary Vertical Crockmeter Method) were sent to committee ballot. Comments reviewed by the committee members were found to be non-persuasive. However, several additional editorial changes will be made and sent out for another committee ballot. The caution statement cited in the official committee minutes will be asked to be published in the *AATCC Review* as well so that members are aware that crock cloths (ISO and AATCC) may not be interchangeable with providing the same results.

**RA42, Dimensional Change:** The committee decided to proceed with the proposed new method on "Dimensional Stability of Socks" as Jodie Lynch of Hosiery Technology Center mentioned. She needs more time to finalize a method for hosiery. Ms. Lynch will submit a video of the proposed new test method to Susan Matter of Nordstrom, and chair of RA42, and Chris Leonard, AATCC technical director, for further review. Susan Matter will retrieve data for a precision and bias statement for TM 179 (Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering) from Chris Leonard and the RA102 Statistics Advisory Board. Five labs have volunteered to participate in an interlab trial on side seam twist on Woven and Knits: Cotton Incorporated, AATCC, Natick, Hosiery Technology Center and UL STR. The addition of a diagram for TM 135 (Dimensional Changes of Fabrics after Home Laundering), 6.2.1, was prepared by Cotton Incorporated. The committee approved and it will be forwarded to Chris Leonard. The committee has approved to add liquid detergent as an option in Methods 96 (Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool), 135, 150 (Dimensional Changes of Garments after Home Laundering) and 179. Susan Matter will follow up with Chris Leonard to submit these changes to a committee ballot.

**RA43, Professional Textile Care:** It was noted that Perchloroethylene is still very much in use within the United States. Perchloroethylene's use will become an article for the *AATCC Review*. It is currently being reviewed by the DLA-PAO's legal department for publication release. RA43 will schedule a speaker from IFIA for the May 2012 meeting. Chris Edwards of A Cleaner World gave an explanation of his business success in the garment care community, how business trends have contributed and changed his success and, at least for the next 10 years, will not dramatically change.

**RA50, Colorfastness to Light:** The proposed revision of TM 16 (Colorfastness to Light), in three parts, Carbon, Xenon and Outdoor, is having its last review and will be submitted shortly to committee ballot. TM 125 (Colorfastness to Perspiration and Light) was recently sent to committee ballot and received some comments which were deemed editorial. These changes will be made and then submitted to TCR letter ballot. The Blue Wool subcommittee gave an update. Chris Leonard of AATCC is working on a nylon exhaust dyed flag material as a replacement for the current blue wool. Two years of L-4

is in inventory. Three and half years of L-2 is in inventory. There was a discussion on grading procedures involving multicolored fabrics and suggested wording was agreed upon. Following publication of the revised Method 16, the committee will consider including this wording.

**RA56, Stain Resistance:** Work is ongoing regarding generic specifications for mineral oil as used in TM 118 (Oil Repellency: Hydrocarbon Resistance Test) to eliminate trade names. A committee letter ballot is being prepared for the first quarter of 2012. Susan Gassett of Natick Soldier RDE Center and Paul Johnson of 3M will establish an acceptable surface tension for the generic mineral oil. The committee recommended not going ahead with a mini-proficiency test program on Method 130 (Soil Release: Oily Stain Release Method) as there are still too many issues. Methods 118-2007 and 193-2007 (Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test) are due for reaffirmation for the 2013 MANUAL. The committee concludes they should go forward in the next TCR ballot for reaffirmation with no changes.

**RA57, Floor Covering:** A draft of the proposed new method on Liquid Moisture Penetration was reviewed. The committee asked that a round robin be conducted and this was approved. A round robin is being conducted on the proposed new Red Dye 40 Scale comparing the old scale and the proposed new printed scale. Several companies volunteered to participate. Committee RA38 on Colorfastness to Crocking Test Methods has asked RA57 to try to harmonize its crock test method with the other crock methods under RA38. Mike Bell with Mohawk Industries will review the changes proposed in RA38.

**RA59, Fibrous Test Materials:** The committee has been made aware that Dr. Carol Graham is now with Intertek (UK) and is not currently participating in ISO work items related to multifiber and the possible inclusion of AATCC Evaluation Procedure 10 (Multifiber Adjacent Fabrics: Evaluation of) in the revision of ISO 105-F10, Annex 1. The committee will try to make direct contact with Dr. Graham to see if this can be looked into. A "short cut" method concerning EP10 was discussed, and decided it was not worth pursuing. RA59 is recommending that the "Search" engine on *AATCC Buyer's Guide* be modified to allow for an "adjacent fabrics" search for suppliers. Concerning the "blanket proposal" related to the reference to EP10, the committee will work further on wording and/or additions/changes, if any. Once completed, then RA59 will bring forth to other committees for consideration.

**RA60, Colorfastness to Washing:** RA60 will send to committee ballot a proposed revision of TM 61 (Colorfastness to Laundering: Accelerated) as well as the draft chlorine and non-chlorine spot test methods. A trial will be performed to create a cold water option in TM 61. Labs participating will be Natick, Hosiery Technology Center and AATCC. A second trial will be performed by certain labs to see if 1 accelerated colorfastness to laundering test still equals 5 home launderings.

**RA61, Appearance Retention:** An interlab to compare the 4 and 8 lb loads for Methods 88B (Smoothness of Seams in Fabrics after Repeated Home Laundering), 88C

(Retention of Creases in Fabrics after Repeated Home Laundering), 124 (Smoothness Appearance of Fabrics after Repeated Home Laundering) and 143 (Appearance of Apparel and Other Textile End Products after Repeated Home Laundering) was organized with AATCC, Natick, Cotton Incorporated, Intertek and FITI participating. Another interlab to determine if light measurement (lux) affects TM 124 smoothness appearance ratings, which was performed by AATCC and Cotton Incorporated, was discussed. It was concluded that despite the difference in light intensity there was not a significant difference in ratings. Ken Greeson of Cotton Incorporated, chair of RA61, mentioned that an interlab will be conducted involving the use of an automated CRA tester (TM 66, Wrinkle Recovery of Woven Fabrics: Recovery Angle) and that Dr. Yang of the University of Georgia will assist in collecting data from the current version of the method. Mr. Greeson and Robert Lattie of SDL Atlas will be looking into getting more information on light intensity and most likely will try to get a speaker on the same topic for the next meeting.

**RA63, Water Resistance, Absorbency and Wetting Agent Evaluation:** The recent RA63 committee ballots on the proposed drying time methods (air flow) and (heated plate) were discussed. The Air Flow method will need to go back to committee ballot. The heated plate method will proceed to the next TCR ballot with editorial changes. The committee is planning interlabs for two proposed new methods that were published in the last two years and for one proposed new 1 mL drying test. A subcommittee was formed to update Methods 35 (Water Resistance: Rain Test) and 42 (Water Resistance: Impact Penetration Test) figures and precision and bias statements. Bob Lattie of SDL Atlas will find drawings that were done for ISO. The RA75 correlation study was discussed. The committee decided there was a need to establish a definition and method for saturation for moisture management tests. AATCC TM 70 (Water Repellency: Tumble Jar Dynamic Absorption Test) will be compared using the absorbency test system (ATS) and substituting the drycleaning cylinder for the tumble jar. The committee has asked to have two subcommittee meetings in addition to the full meeting for May 2012.

**RA68, Odor Determination Test Methods/RA45, Finish Analysis Test Methods (Joint Meeting):** The proposed merger of the two reactivated committees into RA45, keeping the name of "Finish Analysis Test Methods" as well as keeping the scope of RA45 the same was submitted to committee ballot and approved. The request will proceed to the next TCR letter ballot. AATCC was contacted by an international trainer who regularly offers edits to AATCC test methods and revealed that the water bath used in TM 112 (Formaldehyde Release from Fabric, Determination of: Sealed Jar Method) was not listed in the required apparatus list. This was added to TM 112 editorially and will be in the 2012 TECHNICAL MANUAL. The committee will send TM 94 (Finishes in Textiles: Identification) to TCR for reaffirmation with no changes. The committee is working on a proposed new method of a water extraction for formaldehyde determination, and a "true" odor method.

**RA75, Evaluation of Materials and Products for End Use Performance:** RA75 continued its discussion about the need for lab-to-use information regarding Moisture

Management testing standards. A subcommittee conference call for a proposed field test to correlate marketing claims to real life wear for moisture management was held. Items discussed in the conference call were: each explained what they do to measure moisture management currently, expressed their needs to accurately identify attributes and find meaning of marketing terms. There will be a follow up conference call in early December 2011. There were no volunteers for the new chair so Susan Matter of Nordstrom, and current chair of RA75, agreed to act as chair in 2012.

**RA80, Printing Technology:** Kerry King of [TC]<sup>2</sup> gave a review of various printing equipment from several companies presented at the ITMA 2011. It was noted that there were two webinars on Digital Printing conducted in July and August. There were a total of 47 participants and considered to be very successful. Tactics to promote the webinars were discussed. Some said to post a “teaser” online to generate interest and others said to have a promotion/sale for a limited time. Future educational program ideas were to have a symposium in New York City and to have a joint program with SGIA during their conference in October.

**RA88, Home Laundering Technology:** Mir Quddus of Whirlpool shared a presentation with more details on Whirlpool’s offer to pre-program their most popular machines with AATCC Normal and Delicate cycles. These pre-programmed cycles would be available on standard top loader, HE top loader, and HE front loader across both domestic and international Whirlpool machines. The committee agreed to quickly ballot changes to the AATCC Monograph M6, *Standardization of Home Laundry Test Conditions*, for the 2013 TECHNICAL MANUAL to match the parameters of these pre-programmed AATCC cycles. As part of this ballot, tolerances will be included for the new cycle parameters and, where possible, for older cycles parameters as well. There was a question whether the committee should establish cleanout cycle conditions based on an issue raised during the RA31 (Antimicrobial Activity Test Methods) meeting. RA88 recommends that the RA31 committee develop cleanout methods or guidelines that would meet the specific needs of that committee, and RA88 is willing to provide expertise and guidance as needed to help in the development.

**RA89, Hand Evaluation:** The results of the recent RA89 Committee Letter Ballot #890111 for proposed new method “Relative Hand Value of Textiles: Instrumental Method,” were discussed. There were four affirmatives, five abstentions, one negative and one affirmative with comments. The affirmative with comments was a question regarding the analysis of data from the precision and bias interlab study which was verified as being analyzed with the correct number of labs rather than number of instruments. The negative as stated was that the proposed new method as balloted did not supply sufficient information on the correlation of instrument data with actual evaluations by all demographic groups; therefore, was not known if the instrument method will produce consistent results globally. An e-mail has been sent to the negative voter asking to withdraw the negative in that the new method does not state that the method’s scope and principle are based on selection of a reference fabric compared to other sample’s test data. The reference of the method is not intended to be on wear trial results. The committee voted to send the proposed new RHV method to TCR ballot

once, or if, the negative is withdrawn. The word “original” will be added to the statement about reference fabric in the Scope. Other instrumental methods for measuring additional attributes are being sought for future RA89 development. A new chair for the committee is still being sought.

**RA99, Technical Manual Editorial Review Board:** The TCR ballot to withdraw TM 178 (Barré: Visual Assessment and Grading) and replace it with a monograph listing definitions and descriptive terms passed TCR. TM 178 will be withdrawn and the new monograph will be included in the 2013 TECHNICAL MANUAL. The negative on withdrawal of the Monograph, “*Nomenclature for Subjective Rating Processes*,” has been withdrawn and this monograph will be removed from the 2013 AATCC TECHNICAL MANUAL. This withdrawal will require changing wording in EP1 (Gray Scale for Color Change), EP2 (Gray Scale for Staining) and EP8 (AATCC 9-Step Chromatic Transference Scale) which references this monograph. Three test methods for chelating agents, TM 149 (Chelating Agents: Chelation Value of Aminopolycarboxylic Acids and Their Salts; Calcium Oxalate Method), 161 (Chelating Agents: Disperse Dye Shade Change Caused by Metals; Control of) and 168 (Chelating Agents: Active Ingredient Content of Polyaminopolycarboxylic Acids and Their Salts; Copper PAN Method) and TM 163 (Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric) need to be reviewed for reaffirmation. RA59 has agreed to review EP10 (Multifiber Adjacent Fabrics: Evaluation of) to make it more useable for their recommendation to committees. RA59’s previous recommendation will be put on hold until this review is completed. The recommendation to more prominently display Monographs in the TECHNICAL MANUAL will be implemented in the 2012 TECHNICAL MANUAL. Monographs will be listed as a separate item in the Table of Contents. They have been given an alpha-numerical designation and listed in the numerical, alphabetical and topical indexes. Committees will be requested to change any method with mention of a monograph in their test methods to the alpha-numerical designation such as M1, etc.

, **Global Sustainability Technology:** Michele Wallace of Cotton Incorporated gave a brief overview of methodology of Cotton LCA Study. The ISO Task Force on Sustainability ASTM D13.40 Sustainability test method development was discussed. New business involved California Green Chemistry regulations; Washington State children’s product safety rules; The Sustainability Consortium profiles Sustainable Apparel Coalition V1 pilot.

**RA102, Statistics Advisory:** The chair discussed the trends in the interlaboratory data for Methods 22 (Water Repellency: Spray Test), 35 (Water Resistance: Rain Test), 42 (Water Resistance: Impact Penetration Test), 162 (Colorfastness to Water: Chlorinated Pool), 164 (Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidities), 179 (Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering), 193 (Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test), and EP1 (Gray Scale for Color Change). Precision and Bias statements for these methods were reviewed.

**RA103, Spectroscopic Technologies:** The meeting was devoted to a discussion of the topics to be covered in a 4<sup>th</sup> Edition of *Analytical Methods for a Textile Laboratory*. The 3<sup>rd</sup> edition was published in 1984 and there have been many developments since then that need to be summarized in a new edition. James Rodgers of USDA, chair of RA103, and Keith Beck of North Carolina State University, secretary of RA103, has agreed to edit the next edition. A draft Table of Contents, developed during a recent conference call (James Rodgers, Chris Leonard of AATCC and Keith Beck) was presented for discussion. A consensus decision to include, exclude or further consider each chapter topic was made. Recommendations for potential authors for each chapter were also discussed. The results of those decisions are included in the second draft of the Table of Contents which will be attached to the minutes of RA103. The committee will work to find a speaker for the May 2012 meeting.

**RA104, Garment Wet Processing Technology:** Victor Lytvinenko, Owner and President, Raleigh Denim gave a presentation titled *"What's the story...customers and interactive discussion of local industry activity, b2b opportunities, etc"*; The upcoming Denim/Fashion Garment Washing & Performance/Outerwear Symposia. December 7-9, 2011, at the Courtyard by Marriott, Long Beach, CA., USA was discussed. AATCC will offer back-to-back programs combined into a three day event. The first symposium Denim and Fashion Garment Washing: What's New, Innovative & Sustainable will be held December 7th and the morning of the 8th. Performance & Outerwear: Optimizing through Innovation Symposium will begin on the afternoon of December 8th and run through the 9th. Attendees will have the opportunity to register to attend either or both of the programs. New business included telling all interested attendees to complete a committee application form to become voting member of RA104; to complete a questionnaire from the C2C Interest Group; and to give contact information for a potential speaker at next meeting if you should have any suggestions.

**RA106, UV Protective Textiles:** Steve Simonson of International Textile Group Inc. will provide Precision and Bias data for TM 183 (Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics) to Chris Leonard of AATCC. The committee wishes to have a panel discussion on UV Protective Fabrics for the May 2012 meeting to include a dermatologist, a representative from the consumer perspective, a chemical supplier and someone on the history of AATCC and ASTM test methods.

**RA109, Flammability Technology:** Thomas Fabian of Underwriters Laboratories presented a PowerPoint covering a "proof of concept" study to determine if commercially available products such as FR foams, and fire barrier (interliners) can retard and or reduce fire growth rate of upholstered furniture exposed to small open flames.

**Time and Place of next meeting** The next series of committee meetings will be held during the spring series of meetings on May 8-10, 2012 at the Radisson Hotel/AATCC Technical Center in Research Triangle Park, N. C. Check our website in late January at <http://www.aatcc.org/testing/committees/index.htm> for more details.

**How to Participate:** For information regarding these meetings and how to take part in committee work, contact Tricia Day, AATCC technical assistant, P.O. Box 12215, Research Triangle Park, N.C. 27709; tel: +1 919 549 3534; fax: +1 919 549 8933; e-mail: [dayt@aatcc.org](mailto:dayt@aatcc.org).

Respectfully submitted,

*Christopher S. Leonard*

TCR Secretary

Signed: \_\_\_\_\_ (Bert Truesdale) \_\_\_\_\_  
Rembert J. Truesdale, Chair, TCR