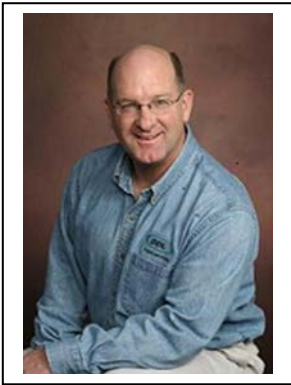




# COMMITTEE D10 ON PACKAGING NEWSLETTER FALL 2011

## *A Message from the Chairman*



As I reflect on my tenure as the Chairman of Committee D10 on Packaging, I reminisce on the first meetings I attended back in the early 80's. I was a rookie among veterans. I was silent and observant as I sought to learn from the likes of Duncan Godshall, Al McKinlay, Bob McGill, Caryl Twitchell, Bob Fiedler, Chester Gaynes, Bill Kipp, Fred Ostreum, Elmer

Kuhlman, and Alex Perritt, to name a few of the titans in the industry. I never would have thought at the time that I could have risen to position of Chairman of Committee D10 that most of these men had served in during their careers. It has been an honor to serve ASTM International and the members of D10 in this position. I have sought to preserve and advance the development and promotion of packaging standards that would facilitate the packaging industry and its users in the most efficient, effective, and economical use of packaging materials. While this has been a very enjoyable and educational experience for me, I did encounter a few challenges along the way – challenges that we can learn from and hopefully mitigate for future leaders.

The peak of success for the development of packaging standards occurred during my early years in the 80's as equipment manufacturers, material producers, and packaging suppliers all vied for the competitive advantage of having their products and materials written into standards; or by having written procedures modeled after their equipment. Due to the efforts of those aforementioned titans, the development of new and exciting standards for emerging industries, materials, and products has matured. Many spirited debates were engaged in at task group meetings and which resulted in satisfying the mission of ASTM International: to develop the preeminent and highest quality standards in the world. At this point in D10's history, the committee has turned mainly into a maintenance mode. The first

challenge that I have seen has been the disengagement of members. It has been a challenge engaging members to help with the unglamorous tasks of working on standards review, revisions, and re-approvals. Without the commitment of the current members of D10, many standards could, and eventually will, fade away. As we know, this would be a disaster for the packaging industry.

The second challenge the Committee has endured is the general indifference of the packaging industry to realize how important these standards are in promoting commerce, leveling the playing field, and making competition fair and equitable. This has become apparent in the lack of participation exhibited by multinational and large corporations and their failure to encourage representatives to attend meetings, and become members of the committee. It seems that companies like 3M, Colgate, P&G, Pepsi, Con Agra, General Mills, H-P, Kellogg, PCA, SC Johnson, Sealed Air, Weyerhaeuser, and others who have actively participated in the past, have abdicated the responsibility of preserving and updating these valuable documents. In fairness to these companies, it also is a responsibility of packaging professionals to educate their management on the importance of quality packaging standards and to advance their own careers by participation in activities such as ASTM International.

The third challenge that Committee D10 is facing is, and has been, the economic crisis that has gripped the nation since 2008. Allocating budgetary dollars towards ASTM International membership and participation has been a hard sell for packaging professionals to make to upper management. This has reduced not only the physical participation at committee meetings but also the membership in D10 altogether. My challenge, as chairman, has been to keep the few existing members engaged and willing to work on the maintenance of the existing standards as well as new initiatives such as standards development for packaging sustainability, RFID, and other new technologies. I commend those who have participated loyally and consistently throughout my tenure.

Finally, there are many global challenges facing the packaging industry as the concept of sustainable development grips manufacturers and users of packaging. Other standard writing organizations have taken a leading role in developing standards for packaging. The global community through the structure of ISO has developed top level standards for packaging and its relationship with the environment. On a positive note, perhaps Committee D10 can develop lateral standards that will support these more general ISO standards.

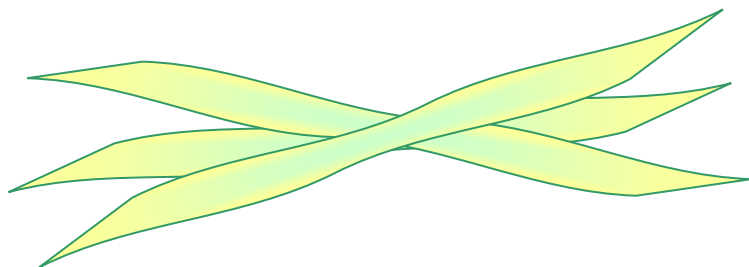
I hope you will agree that I am leaving ASTM International's Committee D10 in as good of shape, if not better, than when I found it in 2005. I would like to thank all those that have loyally participated in the process and devoted time, effort, travel, and resources to the cause. I owe much gratitude to my Staff Managers, Tom O'Toole and Kevin Shanahan, their organizational skills and support, without which my job would have been much more difficult.

I wish the best to the next Chairman and urge the packaging industry to dive back into this important initiative and provide all of the support and encouragement to our next group of leaders.

Best regards,

*Patrick J. Nolan*

Chairman  
Committee D10 on Packaging



*See you in  
Tampa!!!*

## News from the Staff Manager



All members are encouraged to attend the "Closing" Main Committee Meeting on Tuesday afternoon.

**REMEMBER: A quorum is required if action must be taken on negative votes at the Closing Meeting.**

### Web Meetings

Four meetings will be offering Web capability at the upcoming D10 meeting in Tampa, FL from October 31 – November 2. If you would like the invitation to pre-register, please notify me at [kshanahan@astm.org](mailto:kshanahan@astm.org).

Pre-registration information for the following meetings is available on page 7 of this Newsletter.

Monday, October 31

- Subcommittee D10.19 on Sustainability & Recycling - 10:30 am – 12 noon ET
- Task Group Meeting under Subcommittee D10.21 on D4919 - 9 am – 12 noon ET
- Subcommittee D10.27 on Paper and Paperboard Products - 10 am – 12 noon ET

Wednesday, November 2

- Subcommittee D10.94 on Government Liaison 8 am – 10 am ET

### My Committees Update: Alert Flags, Ballot Redesign, Recent Activity, Closing Report Tracker

#### Alert Flags:

Beginning in April 2011, the My Committees page has been enhanced to alert viewers of pending actions. The number '3' illustrated below next to My Outstanding Ballots indicates the number of ballots that you need to return. The number '1' next to Roster maintenance indicates the number of members requiring assignment of voting status and classification.

Update Your Information
Invite A Colleague
Join Additional Committees
Drop Subcommittees
Help

**My Tools**

- Ballots & Work Items >
- Meetings, Minutes & Agendas >
- Additional Resources >
- Roster Maintenance **1**
- Negatives & Comments

**My Outstanding Ballots** 3 My

Select ballot Se

**My Collaboration Areas**

Select Collaboration Area

**MyCommittees**

**Committee C01 on Cement**

[Main Page](#)   [Ballots](#)   [Minutes](#)

**Committee C09 on Concrete and C**

[Main Page](#)   [Ballots](#)   [Minutes](#)

### New Minutes and New Agendas Flagged:

Beginning in June 2011, you now see 'New!' next to new minutes. This will persist for 60 days after the minutes are posted, or until you open the minutes.

- **C09.25 Organic Materials for Bonding**
- Jun 14, 2011 New!
- [Dec 07, 2010](#)

Similarly, new agendas are flagged up to 60 days before a meeting until you view the agenda or until the meeting date.

### Ballot Redesign:

Beginning July 2011, when you click the negative or affirmative with comment button, you stay on the same page rather than going to a new page.

Affirmative  
  Affirm with comment  
  Negative  
  Abstain  
  Abstain with comment  

**Abstain with Comment**

[Expand Box >](#)

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**Upload a File**

### Recent Activity:

Beginning August 2011 you can now access your prior year's activity, such as:

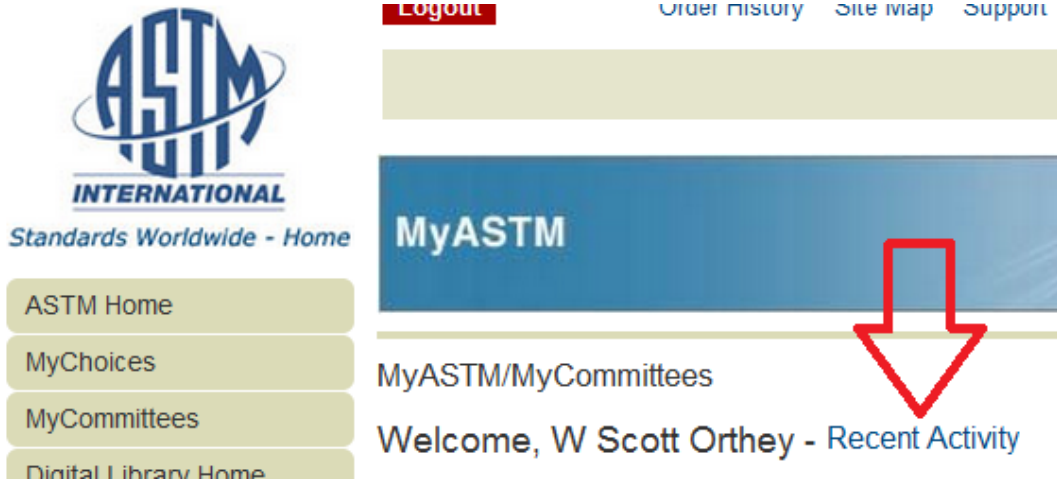
Committee Activity

- Ballots Returned
- Work Items Registered
- Collaboration Areas Launched
- Ballot Items Submitted

Roster Updates

- Joined Committees
- Dropped Committees
- Contact Information Update

You can also see if you scheduled an online meeting or conference call. This feature is located right next to your name in my Committees:



Closing Reports Tracker

Beginning in May 2011 you now have Closing Reports Tracker. A complimentary and optional subscription based service, the tracker provides an email notification for newly posted closing reports. To subscribe, please go to <http://myastm.astm.org> and login. In the 'My Tools' box located on the left side of the 'MyCommittees' page, select 'Meetings, Minutes, & Agendas' and click on 'Agenda/Minutes/Closing Reports Tracker.' This adds to the already existing Minutes and Agendas Trackers for any of your subcommittees and committees which you select to be included in your subscription.

Closing Reports

Highlight your committee (hold the Cntl key to select more than one; for Mac, use the Command key)

All Committees

- C01
- C01.10
- C01.11
- C01.13
- C01.20
- C01.21
- C01.22
- C01.23
- C01.25
- C01.26

Select All Committees

Selected Committees

(Empty box for selected committees)

Add  
Remove

Deselect All Committees

## Minutes and Agendas

Beginning August 2011, draft Minutes and Agendas are being sent by email to officers of subcommittees that have standards or work items. The agendas notice is sent 24 days before the main committee meeting, and the minutes notice is sent 30 days after the meeting.

## ASTM Training

### Virtual Classroom for Members

ASTM International is pleased to offer a series of free one hour online training workshops. There are several different training sessions offered to assist you as a member, including Balloting & Handling Negative Votes, Developing & Revising a Standard, Work Item Collaboration Area Training, ASTM Online Training, New Member Orientation as well as several others.

For more details on an upcoming session and to register, please click on this link:

[http://www.astm.org/MEMBER\\_TRAINING/](http://www.astm.org/MEMBER_TRAINING/)

### Virtual Officers' Training Workshop – September 26-29, 2011

ASTM held the Officers' Training Workshop this past September. The Workshop took place at ASTM Headquarters in West Conshohocken, PA, was free for interested participants, and attendance was outstanding.

Thanks to all who participated in the workshop. All training modules are available at

[http://www.astm.org/MEMBER\\_TRAINING/modules.html](http://www.astm.org/MEMBER_TRAINING/modules.html)

## Future D10 Meeting Schedule

### 2011

**Dates:** Monday October 31 - Wednesday November 2 2011

**Location:** Tampa Marriott Waterside; Tampa, FL

### 2012

**Dates:** Monday, April 16 - Wednesday April 18 2012

**Location:** Sheraton Phoenix Downtown Hotel; Phoenix, AZ

**Dates:** Monday, October 22- Wednesday, October 24, 2012

**Location:** Hyatt Regency Atlanta, GA

### 2013

**Dates:** Monday, April 15 2013 - Wednesday April 17 2013

**Location:** JW Marriott Indianapolis; Indianapolis, IN

**Dates:** Sunday October 21- Wednesday October 23rd 2013

**Location:** Hyatt Regency Jacksonville Riverfront; Jacksonville, FL

*Kevin Shanahan*

Staff Manager  
D10 Staff Manager  
610.832.9737

[kshanaha@astm.org](mailto:kshanaha@astm.org)

*See page 6 of  
this Newsletter  
for some  
fantastic news  
about Paul  
Singh.*

*Congratulations  
Paul!!*

## NEWS RELEASE

### Dr. S. Paul Singh to become Professor Emeritus



Dr. Sher Paul Singh, Professor at the School of Packaging, Michigan State University with over 26 years of faculty service, will be retiring from Michigan State University on January 1, 2012 and his title will become ***Professor Emeritus, CANR, Michigan State University***. For the rest of the 2011 year he will continue to serve as Professor, CANR, Michigan State University.

As a faculty member for the past 26 years, his responsibilities included research and teaching in the areas of ***packaging, transportation and logistics, innovative packaging materials and processes, machinery, robotics and sustainability***. During his time at Michigan State University, he obtained significant experience in the field of packaging, transportation and packaging machinery, observed or analyzed numerous packaging systems, authored more than 150 peer-reviewed papers, and participated as a contributing author in six books in the areas of packaging, material handling, and forensics. He has served as a technical and legal expert to various Fortune 500 companies, federal agencies and international organizations like the Department of Defense, Department of Justice, USPS, United Nations, World Bank, European Union and International Standards Organization addressing problems related to Packaging and Transportation. He is past Chair of Division 1, D-10 Packaging Committee at American Society of Testing and Materials (ASTM) and inducted as a Fellow. He serves on the Board of International Association of Packaging Research Institutes (IAPRI) International Safe Transit Association (ISTA), and National Institute of Packaging and Handling Engineers (NIPHLE). He is a Lifetime Certified Packaging Professional (CPP) from and Fellow of ASTM and Institute of Packaging Professionals (IOPP). He was inducted into the Military Packaging Hall of Fame in 2010 previously awarded the Logistics Achievement Award by NIPHLE. Dr. Singh received the Award of Merit by ASTM for lifetime contributions in developing new packages, test standards and educational materials. He has over 300 publications, conference papers, technical reports and book chapters. He was an invited keynote speaker on *Sustainability in Packaging* in six international conferences in four continents in the past three years.

Dr. Singh provides consultation on a contract basis to assist projects related to packaging. He was selected by NASA to review the BioPlex project (Manned Mission to Mars) for advanced life support systems. A more detailed list is available on [www.spsingh.com](http://www.spsingh.com) and [www.packlawusa.com](http://www.packlawusa.com). His legal and technical consulting services have been recognized by Round Table Group ([www.roundtablegroup.com](http://www.roundtablegroup.com)), Thomas Reuters ([www.reuters.com](http://www.reuters.com)), and Lawinfo ([www.lawinfo.com](http://www.lawinfo.com)) in North and South America, Europe, Asia and Pacific Rim nations. In 2011, he was elected to the Scientific Advisory Board of the World Food Logistics Organization. Dr. Singh's plans to continue his volunteer activities and will expand his consulting activities through his Packaging Forensics Associates Inc. and Packaging Research Associates Inc. companies.

#### Contact information:

SHER PAUL SINGH, Ph.D. CCP

Tel: 517-333-1200, Fax: 517-203-0094, Cell: 517-285-3962

E-mail: [singh@msu.edu](mailto:singh@msu.edu) or [packlawusa@gmail.com](mailto:packlawusa@gmail.com) Web: [www.spsingh.com](http://www.spsingh.com)

## Workshop on D4169

During the Committee D10 meeting, there will also be a Workshop on D4169 on Monday afternoon, October 31 from 1:30 PM - 5:00 PM (no fee to attend). See complete details on pages 8-9 of this Newsletter. Pre-registration is required and can be done through this link: <http://www.astm.org/MEETINGS/nextmeeting.cgi?+++D10>.

## Remote Meeting Information – Fall 2011

If you are unable to attend the upcoming Committee D10 meeting in person, you will still be able to participate in several sessions via WebEx (web-based conference call). Pre-registration is required for the WebEx meetings, as listed below.

If you have not used WebEx before, you can confirm that your computer is capable by using this test site - <http://www.webex.com/lp/jointest>.

### Subcommittee D10.19 on Sustainability & Recycling – October 31, 2011 – 10:30 AM – 12 Noon ET

Pre-registration is required through this link for the web meeting –  
<https://astm.webex.com/astm/k2/j.php?ED=156773002&UID=1163092297&HMAC=5caf09f3a909bde1787945a20af68a56c36cc627&RT=MiMxMQ%3D%3D&FM=1>

Dial-in number for the meeting will be (877) 668-4490; enter access code 791 087 141#.

### Subcommittee D10.21, Task Group on D4919 – October 31, 2011 – 9:00 AM – 12 Noon ET

Pre-registration is required through this link for the web meeting –  
<https://astm.webex.com/astm/k2/j.php?ED=156773912&UID=1163094242&HMAC=f30cc24b915dc95c64ad2f30b984f6c3ac5e2cba&RT=MiMxMQ%3D%3D&FM=1>

Dial-in number for this meeting will be (866) 699-3239; enter access code 793 943 657#

### Subcommittee D10.27 on Paper and Paperboard Products – October 31, 2011 – 10:00 AM – 12 Noon ET

Pre-registration is required through this link for the web meeting –  
<https://astm.webex.com/astm/k2/j.php?ED=156773682&UID=1163093477&HMAC=67f8b90750012aefd48d58da54042006f1d4377a&RT=MiMxMQ%3D%3D&FM=1>

Dial-in number for the meeting will be (866) 699-3239; enter access code 797-774-777#.

### ASTM Subcommittee D10.94 on Government Liaison – November 2, 2011 – 8:00 AM – 10:00 AM ET:

Pre-registration is required through this link for the web meeting –  
<https://astm.webex.com/astm/k2/j.php?ED=156774412&UID=1163097697&HMAC=b3a66b78d16fd67abe43b4c8248e62ce2b52d3ed&RT=MiMxMQ%3D%3D&FM=1>

Dial-in number for the meeting will be (866) 699-3239; enter access code 791-745-003#.

### REMINDER!!!

*If you plan to attend any meetings via WebEx, you  
MUST pre-register using the appropriate link.*

# *ASTM Committee D10 Workshop*

## **“The Future of D4169”**

**Monday, October 31, 2011, 1:30 PM**

**Marriott Waterside, Tampa, FL**

**Abstract:** A year ago, new task groups were formed to review and potentially revise portions of the performance testing on D4169 Standard Practice for Performance Testing of Shipping Containers and Systems. Their tasks were to review data from 1995 to the present to learn if new data is available concerning the various hazards in distribution, including handling, vibration, stacking, rail switching and environmental hazards. Presentations are being planned at this Workshop to present the review of the data and recommended revisions for updating the Schedules/Elements.

### **Tentative Presentation Schedule**

#### **WELCOME**

Larry Anderson, Ten-E Packaging Services

#### **SCHEDULED PRESENTATIONS**

**1. Introduction and History of D4169**

Al McKinlay & Larry Anderson (*abstract below*)

**2. Retention Factors for Box Compression Testing**

Paul Singh, Michigan State University

**3. Compression Elements – Schedules B & C**

Patrick McDavid, B&W Pantex (*abstract below*)

#### **BREAK**

**4. Schedule G (Rail Switching) Recommended Changes**

Eric Borchardt, DDL (*abstract below*)

**5. The origin, application, and theory behind Environmental Hazard – Schedule H**

Steve Ciborowski, US Army (*abstract below*)

**6. Review and Discussion of D 4169 Transportation Vibration Profiles and Test Methods**

Patrick Nolan, DDL (*abstract below*)

**7. Manual Handling – Schedule A**

Dale Knochenmuss, Stress Engineering (*abstract below*)

**Presentation #1 – Title: Introduction and History of D4169**

**ABSTRACT:** Discussions of performance testing of shipping containers first began during the early 1970s and was related to one other key document published around this time frame. During the development of D4169 almost every member of the D10 Committee was involved in some aspect and when it was finally approved, everyone recognized its importance and significance in improving packaging performance thereafter. This presentation will review the motivation behind the development of D4169 as well as identify the key leaders responsible for creating this document. In addition, a review of the major updates since it was first published in 1982 will be reviewed.

**Presentation #2 – Title: Retention Factors for Box Compression Testing**

**ABSTRACT UNAVAILABLE AT PRINTING**

**Presentation #3 – Title: Compression Elements – Schedules B & C**

**ABSTRACT:** The compressive load a carton experiences during distribution is not going to change based on what is inside the carton. This presentation will further discuss the proposed shift in the methods used to simulate the compressive forces experienced during warehouse and over-the-road stacking. Specifically, the formulas and values used to determine the expected load a packaged-product should be able to support. Up to this point, the test load was adjusted by safety factors that are affected only by the materials inside the carton. The proposed shift is to look outside the box and consider factors such as stacking patterns and environmental conditions which are more real world.

**Presentation #4 – Title: Schedule G (Rail Switching) Recommended Changes**

**ABSTRACT:** During previous D10 meetings it was determined that Schedule G (Rail Switching), of ASTM D4169, may be outdated and research was needed to determine if updates were necessary. The presentation overviews our objective for updating the current schedule, research conducted, and how we arrived at the TTCI (a subsidiary of the Association of American Railroads). There will be a discussion about the history of TTCI and the AAR along with all the recommendations for change to the schedule. There will also be an overview of the balloting process and the results of the subcommittee ballot for this item.

**Presentation #5 – Title: The origin, application, and theory behind Environmental Hazard – Schedule H**

**ABSTRACT:** Task Group WK30607 has recently reviewed and revised the Environmental Hazard – Schedule H portion of ASTM D4169 Standard Practice for Performance Testing of Shipping Containers and Systems. In doing so the group researched the origins of the test to try and understand where the test procedure came from and the original intent and theory behind the environmental stresses. We will discuss the findings of those efforts and discuss the practical application of the test and the theory behind the stresses.

**Presentation #6 – Title: Review and Discussion of D 4169 Transportation Vibration Profiles and Test Methods**

**ABSTRACT:** This workshop presentation will discuss the derivation of the current vibration profiles for truck, rail and air transportation environments and attempt to answer the question of where did the profiles in the standard come from. More recent (after 1998) published vibration data and profiles will be presented as potential support for revisions to Schedules D and E of the D4169 standard. Data and information presentation will attempt to stimulate discussion on test procedure formats and techniques leading to future revisions to the Schedules that support a more accurate simulation of the distribution environment.

**Presentation #7 – Title: Schedule A – Handling – Manual and Mechanized**

**ABSTRACT:** The current Schedule A will be briefly reviewed followed by a presentation of other data sources that are relevant to this schedule. An opportunity for discussion of the need to revise this schedule will be provided.

## *Publicity Corner*

We tried something new for this edition. We actually sent out a request for input to ALL members of Committee D10 on Packaging. Although we have received input from our regular contributors, none of our members responded to our request.

This is the Committee D10 Newsletter, and our goal is to insure that it includes articles from all Divisions/ Subcommittees. We can't publish an all-inclusive Newsletter without input from everyone. If you've read past editions of the Newsletter and thought "We have some important information to share with our colleagues. How do we get it published?" or "Why isn't my Division/Subcommittee/Task Group information being published?", we have the answer.

This is your Committee and your Newsletter; participation by all members is not only encouraged, it is necessary, if Committee D10 on Packaging is to continue to be a driving force in packaging. ALL members are encouraged to submit articles at any time during the year. The only requirement – articles must be related to Packaging, and the activities of Committee D10 on Packaging and ASTM International.

Help us keep our Members informed. Your input is always welcome. Send your articles, ideas, comments, questions, etc., to [Loretta.Connors@dla.mil](mailto:Loretta.Connors@dla.mil).

**A SPECIAL THANKS TO OUR REGULAR CONTRIBUTORS FOR  
THEIR SUBMISSIONS!!!**

*Loretta F. Connors*

Publicity Chairman  
Committee D10 on Packaging

## *News from the Divisions*

Detailed minutes of Anaheim meetings are available on the Committee D10 webpage. Check the Tampa meeting schedule for times and locations of all upcoming task group/ subcommittee meetings.

Don't forget to check the message board for any last-minute time changes, cancellations and/or additions to the schedule.

Remember:

WebEx will be available for several meetings. Check page 7 of this Newsletter for details.

If you have an interest in ASTM D 4169, don't forget to sign up for the workshop. Check pages 8-9 of this Newsletter for details.

## *Subcommittee D10.32*

ASTM Subcommittee D10.32 on Consumer, Pharmaceutical and Medical Packaging will not be meeting in Tampa. The Subcommittee held their Fall 2011 meeting at ASTM International Headquarters on October 4, 2011. Check the Committee D10 webpage for meeting minutes.

## *D10 in Tampa – October/November 2011*

In October/November 2011, we'll return to Tampa. For those of you who have been to this part of Florida, you already know a little about what the Tampa Bay area has to offer. If you've never visited Tampa, you're in for a treat. The Marriott is located in the heart of it all.

The Marriott has some nice restaurants on site, as well as others just a short walk away. Ybor City is the place where Tampa began. If you're interested in finding out more about the city's roots, as well as find interesting shops and restaurants, Ybor City is a short drive or trolley ride away. If you prefer to leave the driving to someone else, there's a trolley stop near the Marriott. If you enjoy theme parks and animals, Tampa is home to Busch Gardens, where you'll find both. Tampa is also home to the Lowry Park Zoo and the Florida Aquarium. Busch Gardens and the Lowry Park Zoo are a short ride away. The Florida Aquarium is at Channelside, which is within walking distance of the Marriott.

Check visitor's information online at [www.visittampabay.com](http://www.visittampabay.com). Remember, you can always check with the hotel concierge for dining and sightseeing recommendations, as well as directions.

Whatever you do, enjoy your free time in Tampa.

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## *D10 Happenings*

Submissions regarding "free time" activities at the last meeting were very light.

Anaheim, the little town that became a major tourist mecca because of a little mouse and one man's dream, once again hosted ASTM International. Our hotel, the Anaheim Marriott was right in the middle of it all. We were on Convention Center Way, just a hop, skip and a jump away from a major street in Anaheim, Harbor Boulevard. In addition to the hotel's restaurants and shops, there are many restaurants within walking distance of the hotel, and, for those who prefer to let someone else do the driving, the Anaheim Resort Transit System provided a quick, easy, inexpensive way to get around. The Disneyland Resort is a short walk (or ride) away. Downtown Disney (no admission required) has some great shops and restaurants, not to mention some great live entertainment in the evening.

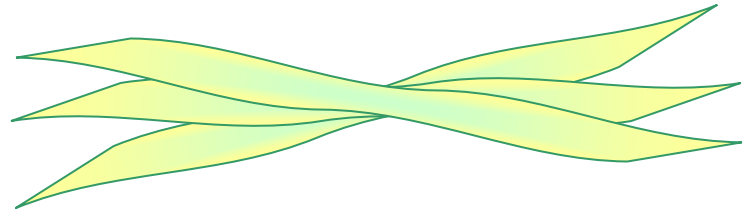
We know of at least one member who added some vacation time following the meeting, just to play in Fantasyland. Disneyland, as always, didn't disappoint, thanks to the variety of attractions, character experiences (in particular, Cinderella, Goofy, Dopey, Mickey and Minnie), and fantastic live entertainment. It's a magical place, and doesn't care whether a guest is 8 or 80; everyone can be a kid at Disneyland.

The real surprise was California Adventure. Several years ago, this park was a disappointment to true Disney Park fans, because something was lacking. It didn't seem worthy of the Disney name. But Pixie Dust rules and magic is happening at this park. Although there is construction everywhere, the end result will be worth it. A new nighttime sound/water/light show called "World of Color" is such a hit, fast pass tickets are distributed for prime viewing locations. An attraction based on Nemo has already opened; fans of the Cars movies will enjoy a visit to Radiator Springs and meeting stars of the movie, including Lightning McQueen and Mater. New restaurants are under construction. Landscaping is being improved. But, the biggest change will

be the entrance; from what we've heard, the new entrance will duplicate Los Angeles in the days when Walt Disney first arrived in the city. Can you say "Nostalgia"?

Here are a few photographs from the Disneyland Resort:





## REMINDER

FOR A NEWSLETTER THAT PROVIDES INFORMATION OF INTEREST TO ALL D10 MEMBERS, WE NEED INPUT FROM ALL DIVISIONS, SUBCOMMITTEES, ETC.

THIS IS YOUR FORUM. PLEASE USE IT.

ANY MEMBER CAN SUBMIT A D10-RELATED ARTICLE AT ANY TIME TO [LORETTA.CONNORS@DLA.MIL](mailto:LORETTA.CONNORS@DLA.MIL)