



# THE SOCIETY OF EXPERIMENTAL TEST PILOTS

## NEWSLETTER

**MAY 2009**

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**MESSAGE FROM THE  
PRESIDENT**



**Greg Lewis (F)**  
**Deputy Director**  
**National Test Pilot School**

Two big items from me this month. First, video podcasts are up and running on our web site ([www.setp.org](http://www.setp.org))! During the recent West Coast mini-symposium in San Diego we recorded the audio and video from each of the technical papers. Those 30 minute segments were coded into Windows media video files and stored online. You can access them through the password-protected "Members Only" section of our web site. Just select "Video Podcasts" and right-click on the title of any of the papers and you can see and hear the presentation on your computer (you don't need an iPod!). This first effort was mainly a dry run for Anaheim in September, to work out any details. We accomplished that goal and we plan to put all of the papers (with authors' consent) from the Annual Symposium on line for those that can't make it to the meeting. I think this will be a big boost in member value for those that can't travel to southern California this year.

My second item is that three section symposia, Southeast

in Ft Walton Beach, Florida, West Coast in San Diego, and East Coast in Patuxent River, Maryland were big successes. There were over 100 attending each of the one-day meetings (more than 200 at the East Coast meeting!) and everything about them was done exceptionally well. A huge thanks to the principals putting things together, Jed Clements and Troy Fontaine in Ft Walton Beach, Kevin Prosser in San Diego, and Terry Barrett at PAX River. Coming up soon are symposia hosted by the Central Section in Wichita, Kansas and the Great Lakes Section in Dayton, Ohio. If you get an opportunity to attend one of these regional one-day symposia, they're well worth the effort. The fact that as many or more members are going this year than last, given the current economic conditions, speaks volumes about the quality and value of these Society meetings. I hope to see you at one soon,

Greg Lewis  
President

**David P. Cooley**  
**Donations**

The Society recently reported the passing of **David "Cools" Cooley (AF)** and at that time mentioned that donations in his name can be made to the SETP Foundation until the family selected a charity. Mrs. Cooley has now requested that all donations be made to the SETP Scholarship Foundation. Donations can be made on line at <http://www.setp.org/HTML/SETPFoundation/SETPFoundation.htm> or you can send

a check in memory of David "Cools" P. Cooley to SETP Scholarship Foundation, P.O. Box 986, Lancaster, CA 93584

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**Central Section  
Symposium**

**15 May 2009**

**Cessna Aircraft Company  
Wichita, KS**

This is a reminder that The Society of Experimental Test Pilots Central Section Symposium will be held on 15 May 2009 at the Cessna Aircraft Company, Wichita, KS.

Presentations will begin at 8:00am in the Cessna conference center. For more information regarding the program, presentations and registration, please visit [www.setp.org](http://www.setp.org).

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**Great Lakes Section  
Symposium**

**28 May 2009**

**Wright Patterson AFB Club  
Dayton, OH**

This is a reminder that The Society of Experimental Test Pilots Second Great Lakes Symposium will be held 28 May 2009 at the Club and Banquet Center, Wright Patterson Air Force Base, near Dayton, Ohio. **Jay Jabour (AF)** is the Chairman of this event.

**SPECIAL BUSINESS MEETING:** The annual special business meeting will be held immediately following the symposium. This meeting is to confirm the slate of officers for the 2009 Election. Your attendance is requested - a

quorum of 25 members is required.

For more information regarding the program, presentations and registration, please visit [www.setp.org](http://www.setp.org).

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### 41st European Symposium 24-27 June 2009 Toulouse, France

The European Section of the Society of Experimental Test Pilots is pleased to announce the 41<sup>st</sup> European Symposium, to be held 24-27 June 2009 in Toulouse, France. The beautiful "ville rose" and the technical community in Toulouse are the setting for a Symposium that promises to please the heart, the mind, and of course the palate! We have outstanding sponsors, which allows us to offer a Symposium fee that includes the lunches for the two days of technical sessions, plus transportation to and from Symposium hotels and the Convention Centre. Also provided will be a lunch following the technical tour on Saturday, which is open to attendees and spouses. Accompanying spouses will enjoy a walking tour of Toulouse, and a nicely priced bus tour to visit Albi and the ancient city of Cordes-sur-Cie.

For more information regarding this event please visit [www.setp.org](http://www.setp.org).

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### SECTION NEWS NORTHWEST



Doug Benjamin (F)

The Northwest Section joined the Seattle Branch of the Royal Aeronautic Society for our quarterly meeting February 17 at the Museum of Flight. Boeing test pilot Doug Benjamin (F) presented an update of the Airborne Laser Program to nearly 100 attendees, including several students from Aviation High School. Although many details remain classified, Doug's comments regarding the challenges and expected capabilities of this 747-based laser platform were fascinating.

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### 53<sup>rd</sup> Annual Symposium & Banquet

23-26 September 2009  
Anaheim, CA

The Society of Experimental Test Pilots 53<sup>rd</sup> Annual Symposium and Banquet will be held 23-26 September 2009 at the Grand Californian Hotel, Anaheim, CA.

This is an official call for papers. Presentations should be limited to 30 minutes, including the discussion period. Those interested in presenting a paper should submit an abstract by 15 May 2009 to:

Jim Brown  
Symposium Chairman  
C/O SETP Headquarters  
P.O. Box 986  
Lancaster, CA 93584-0986  
Email: [setp@setp.org](mailto:setp@setp.org)

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This year the Society and the Grand Californian Hotel are pleased to announce that due to the difficult economic climate rates at the Grand Californian and the symposium registration fees will not be raised this year to allow maximum participation.

The Grand Californian Hotel and Paradise Pier are now accepting room reservations. The group rate is \$196 for single/double at the Grand Californian. For those wishing to stay at the Paradise Pier, located across the street from the

Grand Californian, the room rate is \$168.00 single/double. A very limited block of U.S. military/government rooms has been reserved at the Paradise Pier Hotel, for active U.S. military/government employees at a rate of \$122.00. Please note that the hotel will no longer take reservations for retired military personnel at the government per diem rate.

Reservations for both hotels can be made by calling 1-714-520-5005, by fax at 1-714-520-6079, or online at <https://resweb.passkey.com/go/SETP2009>. When booking your reservation please indicate that you are with Society of Experimental Test Pilots and mention group code GCSI09A. The cut-off-date for reservations is Monday, 7 September 2009. Reservations after the cut-off-date are subject to availability.

### East Coast Symposium 2009



(L to R) President **Greg Lewis**, Reception Chairman **Steve Wright**, Leroy Grumman Award Winner **Martin Shubert**, Northrop Grumman Representative **Les Ryan**, Luncheon Chairman **Dale Feddersen**, and Symposium Chairman **Terry Barrett**.

The East Coast Section sponsored the 25th East Coast Symposium on April 17, 2009 at the USN Test Pilot School auditorium in Patuxent River, Maryland. This year's event was held at the home of Naval Aviation aircraft flight test in order to "Bring SETP to the testers." The East Coast Symposium is typically a one-day event that immediately follows the

USN Test Pilot School Alumni Association Reunion, so that members may easily attend both functions. The symposium was well attended, with over 200 members, USNTPS students and flight test professionals attending.

The morning kicked off with a delicious continental breakfast followed by the technical session, which included briefings from government, industry, and academia featuring a unique look at the undergraduate aeronautical engineering curriculum at Daniel Webster College. The additional presentations covered the test team's results and lessons learned from flight test encompassing the MV-22 Osprey, EA-18G Growler, and the T-6A Texan.

The luncheon was held at the Patuxent River Officer's Club adjacent to the beautiful Chesapeake Bay. The guest speaker at our luncheon was NASA Astronaut CAPT Mike Foreman. CAPT Foreman provided an excellent presentation on his most recent space shuttle mission STS-123, where he performed 3 space walks. His presentation featured exclusive video taken on board the multiple Extra-Vehicular Activity (EVA) Space Suits involved in the mission.

The afternoon technical session consisted of more outstanding presentations covering test programs for the E-2D Advanced Hawkeye, F-35 Lightning II, F-16 Falcon, and the VH-71 Presidential Helicopter. The papers concluded with a unique presentation from SETP President Greg Lewis on "The State of the Society."

The final event of the symposium was the cocktail reception held at the Patuxent River Naval Aviation Museum. The highlight of the reception was when Mr. Les Ryan (Northrop Grumman Test Pilot) had the honor of presenting the annual Leroy

Grumman Award to Mr. Martin Shubert (Bell Helicopter Textron), and Mr. Gregory Eggleston (NAVAIR) for their paper titled "MV-22B Airplane Mode External Cargo Envelope Expansion and Simulation Correlations." The Leroy Grumman award was sponsored by the Northrop Grumman Corporation to honor the speakers that present the best technical paper at the East Coast Symposium.

I would like to express my sincere personal thanks to all the symposium speakers, the SETP Board of Directors, the SETP East Coast Section Officers, the SETP headquarters staff, and our sponsoring corporate members for their support in making the Symposium a success.

Regards,  
Terry Barrett  
CDR, USN  
East Coast Symposium  
Chairman

**Flight Test Safety  
Committee  
Update  
May 2009**

The Flight Test Safety Committee held the annual Flight Test Safety Workshop 27-30 April 2009 at The Westin Ottawa Hotel, Ottawa, Ontario, Canada. The purpose of the Safety Workshop is to provide an open forum where test safety issues can be presented, discussed, and probed with other members and disciplines of the flight test community. Maurice "Moe" Girard, Cessna Aircraft Company coordinated the event with the assistance of The Society of Experimental Test Pilots (SETP), the Society of Flight Test Engineers (SFTE), Canadian Forces Aerospace Engineering Test Establishment (AETE) and the National Research Council (NRC), Canada.

A technical tour of the NRC operations and aircraft was arranged by Tim Leslie and Rob Erdos. The NRC tour

was followed by lunch and a tour of the Canada Aviation Museum.

The FTSC sponsored a full-day Flight Test Safety Tutorial on the first day of the Workshop. This year's tutorial was titled "**The Human-Machine Interface and its Relationship to Understanding and Managing Human Error**," and was presented by Kathy H Abbott, PhD, FRAeS Chief Scientific and Technical Advisor Flight Deck Human Factors, Federal Aviation Administration, Robert Sumwalt, Board Member National Transportation Safety Board and Dr Scott Shappell, Professor, Industrial Engineering Department, Clemson University and co-developer of the Human Factors Analysis and Classification System (HFACS). Over 90 attendees were treated to an engaging and realistic view of this critical issue. Embry-Riddle Aeronautical University awarded continuing education units for attendance of the tutorial and workshop.

Attendance at the technical program consisted of 110 registrants representing 7 countries. Of special note three past presidents of SETP; Jim Brown, Ricardo Traven and Rogers Smith along with the current president of SFTE, Pete Donath were in attendance.

Dr Dieter Reisinger, will be chairman of the third European Flight Test Safety Workshop - 10-12 November 2009 at the SAS Radisson, Vienna, Austria. Working with Dieter are Josef Bernecker, Vice President SETP, Austria, and Dieters' wife, Mag. Christina Reisinger-Naglich who is preparing the spouse program and social events. The theme of the workshop is "**First Flights**". The tutorial will be "**Spatial Disorientation-Threats and Overcoming**", presented by Dr. Eric Groen and Dr. Willem Bles, TNO, The Netherlands; Dr.

Mayrhofer and Dipl.Ing. Huhne, AMST; and Captain Dave Carbaugh, Flight Safety, Boeing. There will be a day trip to Salzburg on 13 November 2009 for a maximum of 50 people. Please check [www.flugsicherheit24.at](http://www.flugsicherheit24.at) for details (at the moment, webpage is only in German language). Those interested in presenting a paper should submit an abstract by 11 September 2009 to Dr. Dieter Reisinger at Austrian Flight Test Association, Endemanngasse 19A, 1230 Wien, Austria or by email to [dieter.reisinger@flugsicherheit24.at](mailto:dieter.reisinger@flugsicherheit24.at)

Tom Roberts announced that next year's North American Flight Test Safety Workshop will be held 3-6 May 2010 in San Jose, California. Rod Huete has volunteered to chair the workshop and coordinate the technical program. We look forward to another great tutorial and workshop. I would like to thank the Flight Test Safety Committee Board of Directors; sponsors, presenters and attendees it is through their hard work and perseverance that the vision of the committee is sustained. The Board of Directors would like to thank SETP, SFTE, Wyle, Bombardier, Eurocopter, and Gentex for sponsoring this outstanding event.

Tom Roberts  
Chairman  
Flight Test Safety Committee

**A Search For Test Pilot  
Visual Records  
(What's In Your Garage?)**

Our test pilot history is a valuable resource for both members and non-members but there are two problems. First, these media are virtually inaccessible in this world of the Internet and computer files. Secondly, and sadly, the original material will deteriorate over time. Color shifts in Kodachrome and Kodacolor films, acetic acid outgassing on 16mm films and storage

temps and humidity can have permanent, irreversible effects on these visual media. Our test pilot history can literally melt away.

The Society has a small collection of historically significant 16 mm films, 35mm slides, VHS and Beta tapes and still photographs and we have decided to begin the task of properly archiving the collection and then digitizing it. This historical data will then be available to our members as well as legitimate researchers. In addition, the original films, tapes and pictures will be professionally documented, stored properly to preserve them and controlled to make sure they don't "walk away" over time, yet remain available for use in projects which enhance the history and image of test pilots.

Most of us have collected similar test pilot "stuff" over the years that sits in boxes in garages, attics and related nooks and crannies.

**This is a request to donate your private collections to the Society where it can be preserved and made accessible in a digitized format for our members and non-members just as we currently do with our SETP papers.**

Contact Paula Smith, Executive Director, at SETP Headquarters to arrange for your donations. You can contact her at:

Phone (661) 942-9574

E-Mail: [setp@setp.org](mailto:setp@setp.org)

Snail Mail:  
The Society of Experimental Test Pilots/ Archives Project  
P. O. Box 986  
Lancaster, CA 93584-0986

Thank you for your help in preserving our history.

Paul Metz  
SETP Archive Project



## SETP NEW MEMBERS AND UPGRADES

The Society would like to welcome the following new Members:

**Band, Donald (AM)**

Bombardier

**Barnett, Miles (PAM)**

Flt Lt, RAF

**Caroff, David (M)**

Lt Col, French AF

**Ferreri, Francesco (M)**

Capt, Italian AF

**Glunt, Joel (AM)**

Cessna

**Goffin, Philippe (M)**

Maj, Belgian AF

**Hall, Brian (M)**

LT, USN

**Harlow, Simon (M)**

LCDR, RN

**Holder, John (PAM)**

LT, RN

**Karwal, Arun (M)**

National Aerospace Lab

**O'Connell, James (M)**

So. African AF

**Pamer, John (AM)**

LCDR, USN

**Penna, Ricardo (M)**

Maj, Brazilian AF

**Peson, Urpo (AM)**

Cessna

**Riggle, Kimberly (PAM)**

LT, USN

**Rossy, Yves (M)**

Congratulations to those members who have upgraded their membership!

**Brophy, Desmond (M)**

Maj, CAF

**Brown, Charles (M)**

**Nadeau, Cary (M)**

USA

**Neace, Kerry (M)**

John Hopkins

**Spinelli, Christopher (M)**

Maj, USAF

**Welcome Back!** The following members have re-instated their membership.

**Allen, Andrew (M)**

Maj, USAF

**Bugbee, James (F)**

**Fucito, Daniel (M)**

LT, USN

**Mechling, Andrew (M)**

CDR, USN

**Russell, Ken (M)**

Flight Safety Intl.

**Southerland, Eric (F)**

SETP Charter Member

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### SETP SECTION CHAIRMEN

#### CENTRAL

Steve Stowe

[stephen.d.stowe@boeing.com](mailto:stephen.d.stowe@boeing.com)

#### EAST COAST

Dave Culbertson

[david.culbertson@calspan.com](mailto:david.culbertson@calspan.com)

#### EUROPEAN

Etienne de Malleray

[etienne.miche-de-malleray@airbus.com](mailto:etienne.miche-de-malleray@airbus.com)

#### GREAT LAKES

Jay Jabour

[jay.jabour@ngc.com](mailto:jay.jabour@ngc.com)

#### NORTHWEST

Tom Twigg

[07tet@gte.net](mailto:07tet@gte.net)

#### SOUTHEAST

Jason Clements

[jed.f16@clementslink.com](mailto:jed.f16@clementslink.com)

#### SOUTHWEST

Troy D. Pennington

[troy.d.pennington@lmco.com](mailto:troy.d.pennington@lmco.com)

#### WEST COAST

Chuck Coleman

[chuck@ctcoleman.com](mailto:chuck@ctcoleman.com)

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### LAST FLIGHT

The Society sadly announces the passing of the following members:

**Algranti, Joseph (F)**

29 April 2009

**Beard, Henry G. (F)**

2 February 2009

**Cooley, David P. (AF)**

25 March 2009

**Hambleton, John A. (M)**

6 March 2009

**Howard, Russell L. (M)**

31 January 2007

**Klobassa, Charles E. (AF)**

16 February 2009

**Ream, Harold E. (AF)**

Date Unknown

**Watts, Joseph C. (F)**

13 February 2009

**Welter, William L. (AF)**

23 March 2009

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### MEMBERS CAN CHANGE THEIR INFORMATION ON- LINE

If you have recently moved or have changed your contact information you can now change your information on-line at <http://66.102.193.156/userarea.asp>

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### WANTED: TECHNICAL ARTICLES

The Society is soliciting appropriate technical articles from SETP Members for publication in *COCKPIT* magazine. If you have presented a paper at a symposium and would like to have it published, please feel free to send it in. We are also interested in historical and humorous articles

To submit articles for the Newsletter please contact Shawna Mullen at 1-661-942-9574 or [Shawna@setp.org](mailto:Shawna@setp.org).  
**SETP Headquarters**  
P.O. Box 986  
Lancaster, CA 93584

For up to the minute info please check [www.setp.org](http://www.setp.org)

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### 2009 Calendar of Events

#### Central Section Symposium

15 May 2009

Cessna Aircraft Company  
Wichita, KS

#### Great Lakes Symposium

28 May 2009

Wright Patterson AFB Club  
Dayton, OH

#### 41<sup>st</sup> European Symposium

24-27 June 2009

Toulouse, France

### 53<sup>rd</sup> Symposium & Banquet

23-26 September 2009  
Grand Californian Hotel  
Anaheim, CA

**Flight Test Safety  
Workshop Europe**  
10-12 November 2009  
Vienna, Austria