



Newsletter

Volume 36, Number 7, April 2006

It's A Long Way To Tipperary

Dr. Scott Eberhardt
Boeing



In November and December, 2005, a quarter-scale Fokker D.VII and a quarter scale Fokker Eindecker E.III were tested at the University of Washington's Kirsten wind tunnel. The tests were performed to determine basic performance and stability and control characteristics of the two important WWI fighters. The data obtained confirms pilot reports and data collected shortly after the war. These are the first known stability and control tests of these historic airplanes.

Students, under the leadership of Scott Eberhardt, have presented this work at the AIAA Region VI student

conference. Funds for this work were provided by the PNW AIAA chapter. A summary of the student papers will be the subject of the April PNW AIAA dinner meeting.

The students have performed analysis with the data to determine CG limits, maneuver points, and general handling characteristics as determined by the wind tunnel data. They will discuss the relationships of these properties to the pilot reports, uses, and successes of these aircraft during the war.

Joint AIAA/SFTE Presentation

Date: **Tuesday, April 18, 2006**

Place: Old Spaghetti Factory, Seattle, WA

Time: 6:00 pm Social, no-host bar.

6:30 pm Dinner

7:15 pm Presentation

Dinner Price:

\$15 AIAA & SFTE Members & Guests

\$18 Non-Members

\$5 Students & Educator Associates

Program Only: \$5 (Free for persons 17 and under)

Please RSVP online at www.pnwaiaa.org or e-mail reservations@pnwaiaa.org (including meal choice). You will receive a confirmation e-mail. Please make reservations by Monday, April 17th. Please note a reservation is a commitment to pay.



Events

March Retirees Meeting with Tom Cogan



Attendees in line for brunch at the Museum of Flight.



Tom Cogan (l) and Tom Holgate, Retirees coordinator.

March Dinner Meeting with Dr. George Ka'iliwai

Dr. George Ka'iliwai, an AIAA Distinguished Lecturer, spoke at March's dinner meeting in Seattle, WA.

Dr. Ka'iliwai's presentation covered his life growing up at Edwards Air Force Base, his eventual return - becoming commander of the Air Force Test Pilot School, and current position as the Flight Test Center's technical advisor.

(l-r) Paul Kostek (Vice Chair, Dr. George Ka'iliwai, Dave Lednicer (Chair), and Mike Bartlett (SFTE).



5th Annual PNW AIAA Billiards Night-Sponsored by AIAA Young Professionals



Member Marty Gibbins cleaning up the table.

All are welcome to join us for an evening of billiards on Thursday, April 27th, at Jillians in Seattle, WA. From 6 to 9 pm we'll have multiple tables on which to show off your skills while networking with others in industry.

Show up early and sign up for a spot in the billiards tournament. Each attendee will be eligible for raffle drawings throughout the evening.

Appetizers and soda will be provided. Cost is \$5 for students and \$10 for all other members. Guests will pay the same as the member they are with.

Please RSVP to domingo@pnwaiaa.org no later than Thursday, April 20. Place in the subject field "Jillians5" and in the body state the number of guests who will be attending with you.

PNW Calendar	
Tuesday, April 18th	
Speaker:	Scott Eberhardt
Topic:	Wind Tunnel
Thursday, April 27th	
Jillian's Billiards Night	
6:00 to 9:00 pm	
Tuesday, May 16th	
Speaker:	Jeff Boulware
Topic:	SED Zero Gravity Project
Saturday, May 20th	
Museum of Flight Restoration Center Tour	
11:00 to 12:00 pm	
Tuesday, June 20th	
Speaker:	Ratan Khatwa
Topic:	Flight Deck Design-The Human Factor Challenge
* Meetings begin at 6:30 PM at the Old Spaghetti Factory, Seattle.	
Retired Members Brunch	
Saturday, May 20th, 9:00 AM	
Speaker:	TBD
Topic:	TBD
Location:	Museum of Flight, Seattle
Contact:	Tom Holgate (253) 838-0333



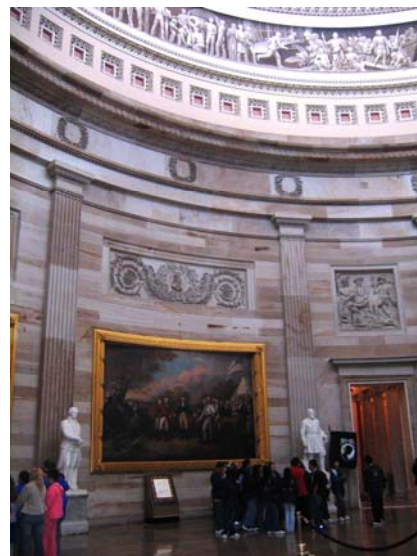
2006 CVD PNW AIAA members (l-r) Jim McClelland (Boeing), Rod Kendrick (Boeing), Congressman Rick Larsen, Christian Carpenter (Aerojet), and Daniel Jensen (Rolls Royce Allison, Indiana Section).

maintained for use by US aerospace firms, and attracting and maintaining students in the aerospace field. Wall Street, computer science, and other fields are making it difficult to motivate young students to select engineering and in particular, aerospace engineering, as a major.

The PNW team visited seven congressman and two senators. Jim McClelland, originally from Texas, had the opportunity to meet with his congressman, Rick Larsen. Congressman Larsen's aide, Cole Bloom, later escorted the PNW group on a tour of the Capitol. At the time, most legislators were on the floor as this was the week in which the budget bill was being developed.

A reception was held for members to mix with AIAA leadership. The PNW team was able to meet the new AIAA president, Gerry Simpson. Mr. Simpson replaced Mike Griffin, who was chosen to head NASA.

-Contributed by Jim McClelland



QANTAS:
Queensland And
The Capitol dome.
Northern Territory
Aerial Services, Ltd.

was originally founded on August 19, 1920, as The Western Queensland Auto Aero Service Limited.

“Mayday,” the internationally recognized distress call is the phonetic rendering of the French phrase for “help me” (“m’aider”).

Museum of Flight Restoration Center

Join us Saturday, May 20th, from 11 to 12 pm to tour the Museum of Flight Restoration Center in Everett, WA. Located on Paine Field, the Center's current projects include the de Havilland Comet, FM-2 Wildcat, the XF8U-1 Crusader, Boeing 727 prototype, and the Link trainer. Afterwards, we'll head over to the Jet Deck for lunch and the chance to watch the Paine Field runway traffic. Please RSVP to domingo@pnwaiaa.org.

PNW AIAA 2006 Section Elections

Interested in becoming more involved with AIAA? Consider running for an office within the PNW section. Visit our website, www.pnwaiaa.org, to view all the offices. Feel free to contact any of the current officers for more information on their positions.

Contact Emmanuel Domingo (domingo@pnwaiaa.org) to be placed on the upcoming slate.

2006 Congressional Visit Day

Three PNW AIAA members attended the 2006 Congressional Visit Day in Washington D.C. Christian Carpenter, Jim McClelland, and Rod Kendrick were part of a contingent of AIAA members from across the United States. Attendees were briefed on various issues AIAA considered important for 2006. Main issues included maintaining launch cargo capability when Space Shuttle stands down in 2010, ensuring that national aerospace resources (such as Glenn, Ames, Langley, etc.) are

Section website: <http://www.pnwaiaa.org/>
 National website: <http://www.aiaa.org>

Please submit newsletter materials to the editor by the 28th of April for the May newsletter.

Outstanding Section Awards
 1972-1973
 1977-1978
 1978-1979
 1991-1992
 1993-1994
 1994-1995
 1994-1995

Membership Award
 1997-1998

Young Member Activity Awards
 1990-1991
 1991-1992
 1994-1995
 1995-1996

Section Special Event Awards
 1976-1977
 1977-1987
 1978-1979
 1982-1983
 1987-1988

Career Enhancement Award
 1997-1998

Newsletter Awards
 1994-1995
 1995-1996
 1996-1997

A PUBLICATION OF AIAA THE PACIFIC NORTHWEST SECTION
Address Corrections

Send to: **AIAA**
1801 Alexander Bell Dr.
Reston, VA 22091

Now make corrections on-line at
<http://www.aiaa.org>
 (Join/Renew/Update). Membership ID needed

Section Officers and Directors

Position	Name	Address (Mail stop if Boeing*)	Phone	Email address
Council				
Chairman	Dave Lednicer	2133 152nd Ave NE, Redmond, WA 98052	425-643-9090	dave@amiwest.com
Vice-Chairman	Paul Kostek	6M-EU	-	kostek@pnwaiaa.org
Secretary	Michelle Evans	02-10	-	michele.c.evans@boeing.com
Treasurer	Andrew McComas	2133 152nd Ave NE, Redmond, WA 98052	425-643-9090	mccomas@amiwest.com
Advisory Council	Howard Rush	14321 SE 63rd Street, Bellevue, WA 98006	425-746-5997	hmrush@comcast.net
Advisory Council	Christian Carpenter	P.O. Box 97009, Redmond, WA 98073	-	christian.carpenter@rocket.com
Advisory Council	Doug Ball	67-LH	425-234-1016	douglas.n.ball@boeing.com
Advisory Council	Kari Seppanen	14-KF	206-655-3356	kari.j.seppanen@boeing.com
Past Chairman	Dave Paisley	0R-MP	425-717-5691	david.j.paisley@boeing.com
Elected, non-voting				
Vice-Chairman-Elect	Scott Eberhardt	-	-	eberhardt@pnwaiaa.org
Secretary-Elect	Jon Lee	02-XJ	-	jonathan.p.lee@boeing.com
Treasurer-Elect	Chris Nelson	6712 183 rd St. SW, Lynnwood, WA 98037	-	ccnelson@comcast.net
Appointed				
Webmaster	Andrew McComas	2133 152nd Ave NE, Redmond, WA 98052	425-643-9090	mccomas@amiwest.com
Honors & Awards	Scott Eberhardt	-	-	eberhardt@pnwaiaa.org
Retired Members	Tom Holgate	2704 SW 314th, Federal Way, WA 98023-7842	253-838-0333	holgatz@aol.com
Newsletter	Emmanuel Domingo	03-JP	-	domingo@pnwaiaa.org
Nominations	Vera Martinovich	02-XJ	425-266-8664	vera.a.martinovich@boeing.com
Museum of Flight Liaison	Open	-	-	-
Pre-College Outreach	Scott Eberhardt	-	-	eberhardt@pnwaiaa.org
Public Policy	Karl D'Ambrosio	5026 18 th Avenue NE, Seattle, WA 98105	253-395-3710	karld@emfcowa.com
Young Professionals	Emmanuel Domingo	03-JP	-	domingo@pnwaiaa.org

* All Boeing people have the address of P.O. Box 3707, Mail Code xx-xx, Seattle, WA 98124-2207



AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS
PACIFIC NORTHWEST SECTION

PRST STD
 U.S. POSTAGE
 PAID
 SEATTLE, WA
 PERMIT #1686

AIAA
 Pacific Northwest Section
 Attn: Emmanuel Domingo
 1001 W. Casino Rd., A103
 Everett, WA 98204