



# Newsletter

Volume 34, Number 6, February 2004

## “General Aviation; An Historic Overview 1909-1940”

*Speaker: Mike Lavelle*

In the United States today the General Aviation fleet is approximately 200,000 aircraft. How did this segment of the aerospace industry evolve? Who were some of the early designers, engineers, manufacturers and individuals that provided the innovation and leadership that laid the foundation for today's General Aviation industry? Mike Lavelle will explore the answers to those questions as well as discussing airframe and engine technologies that were conquered during this time period.



1927 Cessna “A” Cantilever Monoplane

Mike will use the airplanes of Curtiss, Laird, Travel Air, Cessna, Waco, Beech and other aircraft as examples of how personal aircraft flown for both business and pleasure came into their own in this exciting and productive period in aviation history.

Presenter Mike Lavelle has over 40 years of aviation industry experience in aircraft flight and maintenance operations. Eleven of those years were with the Cessna Aircraft Company of Wichita Kansas.

The last 20 years Mike has worked with The Boeing Company, where today he is a Manager in the F/A-22 Program. Mike is a flight and ground instructor, as well as a certified Airframe & Powerplant Mechanic. His more than 7000 hours flying time include several hundred hours in his restored 1946 Cessna 140.

A long time aviation historian, Mike recently returned from England where he lived for three years. During his stay, Mike presented his aviation history programs to UK Air Museums, Chapters of the Royal Aeronautical Society and the Imperial War Museum at Duxford.

Mike and his wife now live in Issaquah, Washington, and have two sons, both US Army Rangers.



### Joint AIAA/SFTE Lecture - Dinner Meeting

Date: **Tuesday, February 24, 2004**  
Place: Old Spaghetti Factory 2801 Elliott Ave, Seattle, WA 98121  
Time: 6:00 PM Social, No-Host Bar  
6:30 PM Dinner –Tortellini or Lasagna  
7:00 PM Program – General Aviation, A Historic Overview  
Dinner Reservations: Call anytime 425-717-5691  
or send email to david.j.paisley@boeing.com or Paul  
Clement [paul.l.clement@boeing.com](mailto:paul.l.clement@boeing.com)  
Please make reservations by February 20<sup>th</sup>

**Entrée choices** are Spinach tortellini or baked lasagna. **Please specify choice when reserving.**

Dinner Price:

**\$15** AIAA/SFTE Members and Guests

**\$18** Non-Members

**\$5** Students and Educator Associates

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

*A reservation is a commitment to pay!*

Pacific Northwest Section  
Evolution of Flight Report

## KCTS Pledge Drive

The Pacific Northwest Section sponsored a pledge drive for KCTS on November 30<sup>th</sup> as part of the “Evolution of Flight” celebration. During the November 30<sup>th</sup> Wright Brothers’ Kitty Hawk program, thirty AIAA members, spouses and student members fielded pledges from viewers watching in British Columbia and Washington. AIAA contributed \$2,500 and the section contributed \$1,000 to KCTS, and during the Kitty Hawk pledge drive program, KCTS raised a total of \$35,875 in pledges. The following volunteers answered pledge drive phones on November 30th. In this list we have six former section chairs, seven student AIAA members. It was a good day to meet others active in AIAA over the last years, and also, to highlight AIAA to public TV viewers in Washington and British Columbia: Monica Alcabin, Ben Almojuela , Marie Ary-Almojuela , Mathew Bartone , Jerry Baer , Dan Bialke , Brooke Burnell, Paula Crockett, Holly Devlin , Emmanuel Domingo, Joe Dortwegt , Marty Gibbins, Rich Hepler , Tom Holgate, Andrew R. Hooker , Dr. Ted Katsanis, Dr. Laura Kistler , Dr. Arun Nadkarni, Steven Merrill Nielson, Dr. David Paisley, Susan Paisley, Josh Rickey, Billy Roeseler, Howard Rush, Ben Sarao, Barbara Sivertsen, Richard Tarbill, Russ Tom, Jennifer Tsai, and Dr. Oktay Yesil.



First row (not shown) University of Washington graduate student Jennifer Tsai, Barbara Sivertsen. Second row. Joe Dortwegt, Emmanuel Domingo, UW graduate student Andrew Hooker, Brooke Burnell, Billy Roeseler (not shown). Third row. Marty Gibbins, Paula Crockett, Laura Kistler (section chair 2001-2002, and soon-to-be mom), Dan Bialke (soon-to-be dad), Ben Sarao. Fourth row. Howard Rush, Arun Nadkarni, Russ Tom (section chair, 1996-1997), Monica Alcabin, Ted Katsanis (not shown), Jerry Baer (section chair, 1981-1982). Not all calls produced funds for KCTS, some called just to say how much they appreciated the programming.

Marty Gibbins, section chair 1995-1996, accepted the task of being interviewed. What is it that brings the American Institute of Aeronautics and Astronautics to the studios of KCTS? To support KCTS and help celebrate 100 years of powered flight. Marty Gibbins explains AIAA and what it does, and how to pronounce it without getting tongue-tied. Marty is currently an advisory councilman.



Ben Almojuela, senior AIAA member, takes names, or chats with the Newport High School National Honor Society students. Asked to wear colorful clothing (since white clothing is hard on the television camera) Ben conforms, with a bright pink airplane shirt.

Below, Rich Hepler, Section chair 2000-2001 answers calls with Tom Holgate. Tom has been running the retiree brunch activities since 1983.

Right, Howard Rush, section chair 1993-1994 busily fills in pledge forms for either US callers, or Canadian callers. Howard has been active in section activities for many, many



Right, University of Washington AIAA president Steven Nielson organized the student chapter, and brought seven UW students during the Thanksgiving vacation period. Thanks, Steven, Mathew, Holly, Andrew, Josh, Richard and Jennifer.



KCTS estimates that 106,182 households have viewed the 15 second credit developed for AIAA was aired during aviation-related programs during November and December. Those that participated in this pledge drive enjoyed themselves, and some offered to volunteer their time during the next pledge drive. Thanks to all that participated, and those who called in to support KCTS.

## PNW Aerospace Timeline

### Dinner Meeting and Lecture

#### February 24 2004 Dinner Meeting

Topic: "General Aviation, A Historic Overview" with  
Mike Lavelle  
Date/Time: Tuesday, February 24th at 6:00 p.m.  
Location: The Old Spaghetti Factory, 2801 Elliott Ave,  
Seattle

#### Membership Upgrades

*Dave Paisley, Vice Chair*

Following up last month's membership upgrade article, I'd like to congratulate our section's new AIAA Fellow and Associate Fellows. Phil Cassady is a new AIAA Fellow while Stanley F. Birch, Paul W. Dees, Debra Facktor Lepore and Gerald R. Mack are new Associate Fellows. Congratulations to them on their accomplishments and recognition.

Just as a reminder, all of the detailed requirements and forms are available online at the AIAA website:

<http://www.aiaa.org/forms/index.hfm>

I encourage you to take a look and consider upgrading in 2004 and I would be happy to assist you with the process if you have any questions.

#### Royal Aeronautical Society Presentation

*Dave Paisley*

Please note that our dinner meeting this month is one week later than usual (fourth Tuesday rather than third) because the Seattle branch of the Royal Aeronautical Society is hosting a lecture at the Museum of Flight on our usual night and we were more flexible on timing. I'm sure our membership will find the topic to be of great interest. Details follow.

#### "TEST PILOTS DON'T WEAR PEARLS!"

Captain Suzanna Darcy-Hennemann  
Senior Test Pilot  
Flight Test  
Boeing Commercial Airplane Group

Museum of Flight

6:00 p.m., Tuesday, 17 February 2004

This lecture is free of charge and all are welcome

An informative, inspirational and humorous lecture by 777 flight test pilot, Captain Suzanna Darcy-Hennemann on Boeing flight testing - Experimental and Production - including flight test footage and what the experience of being a test pilot is really like (with the twist of being the first woman hired by Boeing as a test pilot).

### Retired Members Brunch

#### March 20th

Speaker: TBD  
Date/Time: March 20, 9:00AM  
Location: Museum of Flight, Seattle  
Contact: Tom Holgate 253-838-0333

#### Chair's column

Welcome to another installment of the semi-regular (emphasis on semi) Chairman's Column. We're now beginning the second century of powered flight, and we have lots to celebrate. Yes, the Wright Flyer replica didn't quite make a spectacular takeoff last December, but the original Wrights may have had the same bad luck with the same light winds. You know what they say: "Time to spare? Go by air."

The good news since I last wrote is that the 7E7 final assembly will be right here in the Puget Sound area. Employment is starting to level off, even increase in some areas. It may be awhile before airline production ramps up again, but in the meantime there is more engineering work to be done.

Those of you with more of a space bent are cheering the recent successes of NASA's Mars rovers, Spirit and Opportunity. President Bush has also announced manned moon and Mars missions, which may create work and certainly dreams for Puget Sound locals.

How to celebrate this lightening of the gloom, if not completely rosy outlook, in aerospace? Consider throwing your ring in the hat for an AIAA Pacific Northwest Section office. Current officers will be stepping down in May, and we would like your fresh ideas and enthusiasm to help us keep the section going strong. After all, it is an election year; and running for local office won't drain your pocketbook and family's patience as much as a run for the White House. Contact me if you're interested in running for any of the positions.

As always, I'd like to hear your comments and suggestions.

Vera

#### Student Paper Conference – UCLA 1 –3 April 2004

Region VI is asking for judging volunteers for the upcoming student paper contest at UCLA. Technical paper judges can access papers, judge and send in ballots online. Volunteers are encouraged to contact the region representative (Ron Madler, Region VI Education, tel: (928) 777-3896, fax: (928) 777-3896, [madler@erau.edu](mailto:madler@erau.edu)). Oral judges should plan to attend the conference on the days they choose to be a judge. Also see the website at:

<http://region6.aiaastudentconference.org/control>

Section website: [http://www.geocities.com/aiaa\\_2000/index.html](http://www.geocities.com/aiaa_2000/index.html)  
 National website: <http://www.aiaa.org>

Please submit newsletter materials to Joe Dortwegt by the 26<sup>th</sup> of February for the March 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
<b>Council</b>				
Chairman	Vera Martinovich	02-XJ	425-266-8664	vera.a.martinovich@boeing.com
Vice-Chairman	Dave Paisley	03-52	425-717-5691	david.j.paisley@boeing.com
Secretary	Joe Dortwegt	03-52	425-294-0054	joseph.dortwegt@boeing.com
Treasurer	Paul Moorehead	67-65	425-237-5176	paul.j.moorehead@boeing.com
Advisory Council	William Gjertson	8J-72	253-773-3090	william.g.gjertson@boeing.com
Advisory Council	Billy Roeseler	02-KW	425-266-9270	wm.g.roeseler@boeing.com
Advisory Council	Martin Gibbins	4E-11	206-655-2727	martin.n.gibbins@boeing.com
Advisory Council	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Past Chairman	Laura Kistler	02-KW	425-294-8520	laura.s.kistler@boeing.com
<b>Elected, non-voting</b>				
Vice-Chairman-Elect	Dave Lednicer	2133 152nd Ave NE/Redmond, WA 98052	206/746-1299	dave@amiwest.com
Secretary-Elect	Jon Lee	5108 71st Way NE, Olympia, WA 98516	206-934-9782	drwatson@u.washington.edu
Treasurer-Elect	Eric Lund	Apt 307 601 S Washington Seattle WA 98104	206-342-9942	elund@andrews-space.com
<b>Appointed</b>				
Webmaster	Jane Kuta	8A-94	253-773-5759	jane.f.kuta@boeing.com
Honors & Awards	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Retired Members	Tom Holgate	2704 SW 314th, Federal Way, WA 98023-7842	253-838-0333	holgatz@aol.com
Newsletter	Open			
Nominations	Laura Kistler	02-KW	425-294-8520	laura.s.kistler@boeing.com
Evolution Of Flight	Ben Sarao	1432 242 <sup>nd</sup> Place SE, Sammamish, WA. 98075	206-768-7166	bmsarao@hotmail.com
Museum of Flight Liaison	Open			
Pre-College Outreach	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Public Policy	Karl D'Ambrosio	5026 18 <sup>th</sup> Avenue NE, Seattle, WA 98105	253-395-3710	karld@emfcowa.com
Young Professionals	Emmanuel Domingo	2779 NE Liberty, Gresham, OR 97030	206 227-7819	E_domingo@hotmail.com

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



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**PACIFIC NORTHWEST SECTION**

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**AIAA**  
 Pacific Northwest Section  
 Attn: Joe Dortwegt  
 14619 62<sup>nd</sup> Pl W  
 Edmonds, WA 98026