

# KANSAS WING **OX5 NEWS**

Harold Walter President 2019  
 Sam Snyder 1st VP 2018  
 Joe Latas 2nd VP 2017  
 Jay McLeod Secretary 2018  
 JoAnn Bailey 2017



Harry Clements Governor 2018  
 Bobbie Walter Governor 2018  
 Doug Moler Governor 2019  
 Dale Krebs 2019

JUNE 2017 – VOL 2

HAROLD AND BOBBIE WALTER, EDITORS

## **OX5 AVIATION PIONEERS** KANSAS WING

### **NOON LUNCHEON DEFAZZIO'S ON NORTH AMIDON SATURDAY, JUNE 17, 2017**

**DEFAZZIO'S**  
**2706 North Amidon**  
**Wichita, Kansas 67204**

delicious DeFazio lunch and enjoy Paul Bowen's wonderful award winning air-to-air photography of classic aircraft.



**Meeting:** The meeting will be held at Defazzio's on north Amidon. From 21<sup>st</sup> it's north on Amidon, one block past the first traffic light, and it's in the mall behind the service station on the east side of the street. Lunch can be ordered from the menu.

**Program:** Paul Bowen, Renowned Aircraft Photographer/Speaker. Yes, we were successful in securing Paul Bowen for our June 17 OX5 luncheon meeting. Come spend a couple of hours with us Saturday for a



He has been shooting aerial photography since 1972 and is credited with over 1,000 magazine covers and countless advertising campaigns. He frequently shoots from the open tail-gunner's position of a WWII B-25 bomber. Paul is best known for his vortices aerals which capture the spinning currents of air produced at the tip of a moving airplane wing, revealed in clouds or fog. For a full exciting review take a look at his website: [www.AirToAir.net](http://www.AirToAir.net)

Paul will project dozens of his amazing photos on our big screen featuring WWII and contemporary jet aircraft. . . along with his interesting behind the scenes commentary. . . and humor. Paul will be available to personally sign your purchase of his hard cover books featuring the best of his photographs. This is a rare opportunity to hear and see Paul's adventures in person. Be sure to invite at least two friends to join you for this very special OX5 event. See you on the 17<sup>th</sup>.



The above photo is of Earl Long and Joe Cowan, the two who ferried the airplane to New Zealand. They are sharing the poster that was presented by Dale Krebbs at the OX5 meeting. It includes a photo of the airplane and also a map of their trip. That was an event of a lifetime. Thank you for sharing, Earl.

A certificate of appreciation was presented to each OX5 Board Member for his/her participation as a member of the board. Thank you Board Members.

Bring a couple of friends to our meeting. Let us fill up the room to give Paul a warm welcome.

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**Harold Walter, President KS Wing OX5 Aviation Pioneers**

**Secretaries Report:** President Harold Walter opened the meeting with the proposal that the Kansas Wing host the 62<sup>nd</sup> Annual National Reunion this year. Dale Krebbs raised some questions about the number of people attending the reunion. He expressed concern at being able to attract suitable speakers with such small crowds to hear them. This also applies to our Wing meetings. We need more people participating for our meetings as well as putting on a reunion.

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**President's Message:** We had an



excellent attendance at our March meeting. Earl Long presented his adventure delivering a Beech Model 18 to New Zealand.

The airplane was an older twin engine aircraft, taking off from "Dead Cow International Airport", its unofficial name. Officially, it is Westport Airport, and it is located in Wichita. Due to the many challenges of this flight, this 1986 event was featured by Paul Harvey's news. Earl told about the many challenges they encountered, including the loss of one engine – over water.

Dale Krebbs constructed a special collage as a presentation to Earl. Dale received the following photo taken by Vicky DeGeer. She says that Joe is 73 and Earl is 80. Their trip was taken 31 years ago. They appreciate receiving the collage that tells the story.

Thanks to Dale Krebbs for organizing the meeting with Earl Long as well as the next meeting with Paul Bowen.

Most all present agreed with these remarks and Doug Moler mentioned his work with Commemorative Air Force regarding this problem.

Dale suggested that we should take 2017 to build membership for our Wing.

JoAnn Bailey proposed a motion regarding the reunion that we use 2017 to increase our membership and then if successful, consider hosting the reunion in 2018 as we do not currently have enough people we can call on in 2017 even with the help of the National organization This motion was seconded by Doug Moler, voted and passed by those present.

Doug Moler mentioned that there were 5 local people applying for The FAA Master Pilot Award this year. They are: Bob Blanton, Dave Blanton, Doug Moler, Wayne Borman, and Dick Curtis. There will be more detail on this later.

Harold Walter brought up the next membership meeting for the Kansas Wing on Saturday June 17<sup>th</sup> which is to be at DeFazio's restaurant. Dale Krebbs is arranging for Paul Bowen, the Photographer, as speaker. Being concerned about attendance, Dale plans to have all members called to be sure we have as many at the meeting as we can. He also suggested we relocate our meeting place for future meeting and recommended consideration of Spear's West.

JoAnn Bailey says she will try to print our next newsletter. This may not be possible since she recently retired from her job.

Harold showed us some rather large pictures of OX5 powered airplanes. He says we may be able to reduce them in size if members may want copies.

Meeting closed.

**Jay McLeod, Secretary, KS Wing OX5 Aviation Pioneers**

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**TREASURER, JoAnn Bailey:** Please mail or see JoAnn Bailey to pay OX5 Kansas Wing annual dues of \$10. Please note that the fiscal year begins on January 1.

JoAnn Bailey  
1736 S. Emporia  
Wichita, KS 67211

**JoAnn Bailey, 316-258-4956**

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**OX5 National** dues are \$30. Make check payable to *OX5 Aviation Pioneers*, and mail to:

OX5 Aviation Pioneers  
%Janet Barnard, OX5 Treasurer  
PO Box 769  
Troy, Ohio 45373

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**JoAnn Bailey** is now retired from Airxcel. A retirement celebration was held at Shepherd's Crossing Community Center on Saturday April 29. JoAnn has been our treasurer for many years. We appreciate what she has done, and hope for many more years as our treasurer. Happy well-deserved retirement, JoAnn.

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2017 OX5 Kansas Wing Board members: L to R: JoAnn Bailey, Sam Snyder, Jay McLeod, Harry Clements, Harold Walter, Joe Latas, Doug & Sabrina Moler, Bobbie Walter. Dale Krebbs not in this photo. Dale is shown in a later section of this newsletter.

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**Award Nominations:** It's time for award nominations for the awards to be presented at the OX5 National Reunion banquet held this fall. Nominations are due approximately July 1, but the dead line has not been announced.

A summary of the awards was presented in the last newsletter. The awards include the following titles:

- Mr. OX5**
- Pioneer Woman's Award**
- Legion of Honor**
- Legion of Merit**
- Distinguished Service**
- Bronze Star**
- National Governor**
- Hall of Fame**

Details and forms can be obtained from the OX5 web site, [www.OX5.org](http://www.OX5.org),

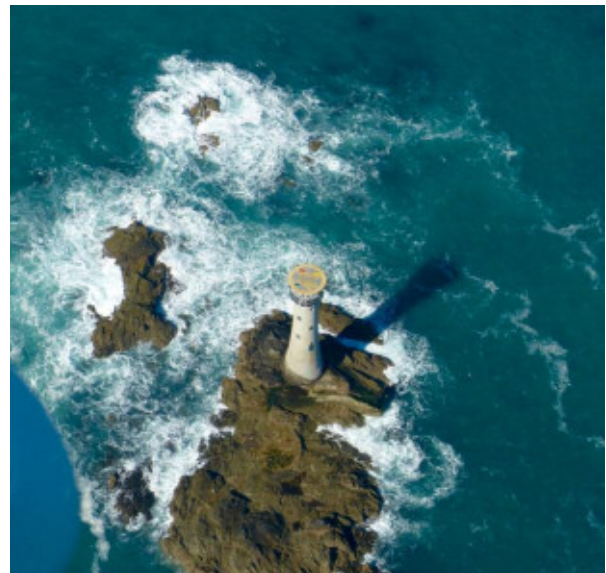
**Joe Latas:** In our last newsletter, it was reported that Joe Latas had fallen at home and was at Larksfeld Rehabilitation undergoing mobility treatment. I'm pleased to report that Joe is doing well, and as of about April 12 is no longer at Larksfeld. We wish Joe to continue a good recovery.



JERRY SIEBENMARK, The Wichita Eagle

The above photo was taken by Jerry Siebenmark, and published in the Wichita Eagle. On April 17, at Larksfeld Place, OX5 Member Harry Clements received FAA's Master Pilot Award. FAA persons

there were Jim Lamb and Dan Buerki. Dan made the presentation to Harry. In addition to being a pilot, Harry had many other contributions to Aviation. He was the project person on Cessna's 4 engine 620 airplane and the Cessna T-37 Military jet trainer. Harry has many talents. His pilot ratings include Glider, Single engine, Multi engine, Commercial, and Instrument. He also has Airframe & Power-plant Mechanics licenses. Congratulations, Harry, on the Award.



Hanois Light House on ILS approach runway 09 at Guernsey Channel Islands, seen from a Cessna 182T

We hope to continue to have articles that include airplane design and modifications. Items can include airfoils, control surfaces, Vortex Generators, etc. Your editor had a career as an aerodynamicist specializing in airplane stability and control. Pre-design items and mods necessary for certification can be included as topics. Our members have had special aviation careers also. I hope that we can have one or more such articles in future newsletters. Do you know about Vortex Generators, also called VGs? What do or did you do in aviation?

**Horizontal tail size:** During the airplane design phase, the horizontal tail size is one of the many factors to consider. The horizontal tail is important in providing the aircraft longitudinal stability and also controllability. The forward CG limit defines necessary control power. The aft CG limit is defined by airplane stability.

Your Editor has found that a very good consideration for the size is what is called the *horizontal tail volume coefficient* referred to as Vee bar, for the bar atop the  $\bar{V}$ . The equation for this is:

$$\bar{V} = S_h \times l_h / S_w \times c_w$$

Where:

- $S_h$  is the horizontal tail area
- $l_h$  is the tail arm distance from the CG to the tail  $c/4$
- $S_w$  is the wing area
- $c_w$  is the wing mean aerodynamic chord (MAC)

Comparing the  $\bar{V}$  value for airplanes similar to the one being designed is a good idea.

The CG range should be examined. A plot is usually made of  $\bar{V}$  vs CG location. that shows lines for forward CG limits and also those for aft CG limits. It's called a Vee bar diagram.

Applying the above to a new design gives a value for a wind tunnel model. A tunnel test is usually executed to show that the size is satisfactory.

It should be emphasized that the tail volume coefficient is only one of several factors and considerations that are too numerous to mention here, in defining the horizontal tail configuration and CG range.

After a marketing survey, an airplane design can be commenced. The desired payload, range and airspeed are some of the initial goals. From these initial points, a weight and wing area can be determined for a first cut look at a 3-view of what is to be proposed. Depending upon the size of the operation, specialized personnel are included in the initial configuration. These groups are expanded as necessary, to begin the detailed design and construction of a prototype airplane. Basically, the size of support groups is based on the complexity of the vehicle.

Included in the tail sizing is the basic configuration. Is it to be a stabilator, or a stabilizer with elevator? For pitch trim will it have variable incidence, or be a fixed stabilator with elevator trim tab? Also, planform, taper and aspect ratio may be discussdd.

These comments are for first-cut looks, in order to make a 3-view drawing and to begin the analysis.



Photo received from Captain Monica Herr, Lufthansa Airlines: Tokyo International (Haneda) airport: Boeing 747 final turn to runway 23 on the LDA approach a few days ago.

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Jay McLeod's children, Kathryn Iverson and Dr. Alan McLeod were here to visit in May. They both come at the same time since each of them live on opposite sides of the country. It is always a pleasure for your editor to see them, since he and Bobbie have known them for about 50 years.

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JACK DAVIS WHITLEY, SR, of Berryville, Arkansas, born December 21, 1929 in Little Rock, Arkansas, flew west Thursday, May 11, 2017 in Berryville, Arkansas at the age of 87 years.

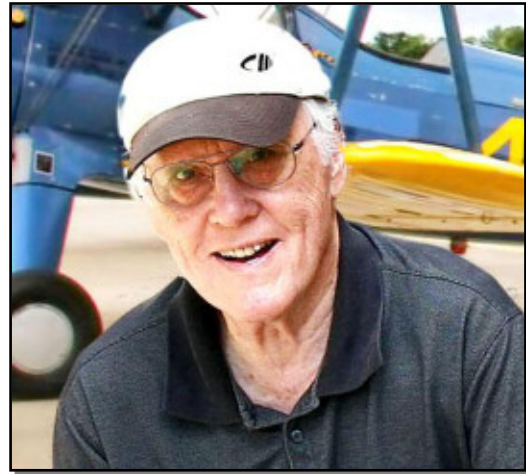
Jack is survived by his daughter, Karyn Whitley of Berryville and son, Mark Whitley of San Antonio, Texas and also many other relatives and close friends who truly admired him.

Jack retired as an aeronautical engineer in the aviation industry, and moved to Berryville and bought a cattle farm. He joined Living Faith Church and became the school superintendent until he decided to retire from there.

Your editor, Harold, considered Jack to be a special friend, having known him since 1955, and having worked with him at both Cessna and Beech Aircraft. Beech called Harold in San Diego to come to work there. He called Jack to find out more. Jack gave encouraging and positive information so that the job was accepted, and Harold moved back to Wichita.

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*Editor Harold Walter gives special thanks to Members and Officers for support of our OX5 organization.*



Dale Krebbs is a recent addition to our OX5 Kansas Wing Board of Governors. Dale is a valuable asset to our Wing.

Dale is a native Kansan and a Wichita State University graduate. He owned his own advertising and marketing agency for 17 years in Wichita. His experience includes being a business and marketing consultant for the Small Business Development Center and the Mid America Manufacturing Technology center, for 11 years at WSU. Dale also enjoyed teaching as an adjunct professor for Entrepreneurship at WSU.

Dale's avocation is photography and graphic design and volunteering with OX5, EAA, Inter-faith Ministries and The Medical Loan Closet.

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Let's have a great year for our OX5 wing and for our OX5 National Organization.